

Table 1. Sum of landings for observed and unobserved limited-entry trawl trips by year and port group. Danish/Scottish seine and midwater trawls were excluded.

Year	Port Group	Unobserved trips		Observed Trips		All trips
		Landed mts	Percent of unobserved mt by port	Landed mts	Percent of observed mt by port	Landed mts
2005	Bellingham	1,750	81%	420	19%	2,169
	Neah Bay	499	79%	131	21%	630
	Astoria	4,442	74%	1,593	26%	6,035
	Newport	1,341	76%	420	24%	1,761
	Coos Bay	1,625	72%	630	28%	2,255
	Crescent City	841	79%	224	21%	1,065
	Eureka	1,327	79%	348	21%	1,675
	Fort Bragg	1,253	81%	296	19%	1,549
	San Francisco	445	84%	88	16%	532
	Monterey	595	77%	178	23%	773
	Morro Bay	250	69%	110	31%	360
	All Ports	14,367	76%	4,437	24%	18,804
January - April 2006	Bellingham	264	82%	60	18%	324
	Neah Bay	51	68%	24	32%	75
	Astoria	1,136	74%	407	26%	1,543
	Newport	145	56%	114	44%	259
	Coos Bay	622	75%	206	25%	827
	Crescent City	147	82%	33	18%	179
	Eureka	298	61%	191	39%	489
	Fort Bragg	209	79%	54	21%	263
	San Francisco	68	98%	1	2%	69
	Monterey	316	96%	12	4%	327
	Morro Bay	23	100%			23
	All Ports	3,277	75%	1,101	25%	4,378

Table 2. Number of trips sampled by observers on limited-entry trawl vessels from January 1, 2005 to April 30, 2006 by port group and two-month period. Trips fishing California halibut, mid-water trawl gear, or Danish/Scottish seine were excluded from this table.

Year 2005

Port Group	Jan-Feb		Mar-Apr		May-Jun		Jul-Aug		Sep-Oct		Nov-Dec		2005	
	n	Percent of observed trips in port group coastwide	n	Percent of observed trips in port group coastwide	n	Percent of observed trips in port group coastwide	n	Percent of observed trips in port group coastwide	n	Percent of observed trips in port group coastwide	n	Percent of observed trips in port group coastwide	n	Percent of observed trips in port group coastwide
Bellingham	3	4%	2	2%	5	5%	8	6%	3	8%			21	4%
Neah Bay	3	4%	28	25%	17	16%	17	13%			1	4%	66	13%
Astoria	24	32%	16	14%	44	41%	28	21%	7	18%	8	32%	127	26%
Newport	6	8%	20	18%	4	4%	13	10%	9	23%	1	4%	53	11%
Coos Bay	23	31%	4	4%	13	12%	16	12%	6	15%	5	20%	67	14%
Crescent City			8	7%	6	6%	3	2%	6	15%	1	4%	24	5%
Eureka			12	11%	13	12%	10	8%	4	10%	1	4%	40	8%
Fort Bragg	4	5%	9	8%	5	5%	9	7%	3	8%	1	4%	31	6%
San Francisco			3	3%			9	7%	2	5%	1	4%	15	3%
Monterey	7	9%	8	7%			18	14%			6	24%	39	8%
Morro Bay	5	7%	4	4%	1	1%	2	2%					12	2%
All Ports	75	100%	114	100%	108	100%	133	100%	40	100%	25	100%	495	100%

Year 2006

Port Group	Jan-Feb		Mar-Apr		Jan - Apr	
	n	Percent of observed trips in port group coastwide	n	Percent of observed trips in port group coastwide	n	Percent of observed trips in port group coastwide
Bellingham	3	5%	1	2%	4	3%
Neah Bay	6	10%	11	18%	17	14%
Astoria	15	25%	19	32%	34	28%
Newport	11	18%	5	8%	16	13%
Coos Bay	13	21%	5	8%	18	15%
Crescent City			4	7%	4	3%
Eureka	6	10%	14	23%	20	17%
Fort Bragg	7	11%			7	6%
San Francisco						
Monterey			1	2%	1	1%
Morro Bay						
All Ports	61	100%	60	100%	121	100%

Table 3. Number of tows sampled by observers on limited-entry trawl vessels from January 1, 2005 to April 30, 2006 by area, depth, and two-month period. Trips fishing California halibut, mid-water trawl gear, or Danish/Scottish seine were excluded.

Year 2005

Area/Depth group (fm)	Jan-Feb		Mar-Apr		May-Jun		Jul-Aug		Sep-Oct		Nov-Dec		2005	
	n	Percent of tows in depth group per area	n	Percent of tows in depth group per area	n	Percent of tows in depth group per area	n	Percent of tows in depth group per area	n	Percent of tows in depth group per area	n	Percent of tows in depth group per area	n	Percent of tows in depth group per area
North of 40° 10' N. Lat.														
0-74.9	75	20%	57	12%	514	57%	398	48%	104	35%			1,148	38%
75-149.9	2	1%	121	25%	154	17%	319	38%	84	28%	2	2%	682	23%
>150	301	80%	303	63%	234	26%	115	14%	112	37%	113	98%	1,178	39%
All Depths	378	100%	481	100%	902	100%	832	100%	300	100%	115	100%	3,008	100%
South of 40° 10' N. Lat.														
0-74.9	5	8%	14	11%			59	33%	1	3%			79	17%
75-149.9							26	15%	1	3%			27	6%
>150	61	92%	109	89%	39	100%	92	52%	34	94%	32	100%	367	78%
All Depths	66	100%	123	100%	39	100%	177	100%	36	100%	32	100%	473	100%
Coastwide														
0-74.9	80	18%	71	12%	514	55%	457	45%	105	31%			1,227	35%
75-149.9	2	0%	121	20%	154	16%	345	34%	85	25%	2	1%	709	20%
>150	362	82%	412	68%	273	29%	207	21%	146	43%	145	99%	1,545	44%
All Depths	444	100%	604	100%	941	100%	1,009	100%	336	100%	147	100%	3,481	100%

Year 2006

Area/Depth group (fm)	Jan-Feb		Mar-Apr		Jan - Apr	
	n	Percent of tows in depth group per area	n	Percent of tows in depth group per area	n	Percent of tows in depth group per area
North of 40° 10' N. Lat.						
0-74.9	47	15%	103	32%	150	23%
75-149.9	1	0%	2	1%	3	0%
>150	276	85%	220	68%	496	76%
All Depths	324	100%	325	100%	649	100%
South of 40° 10' N. Lat.						
0-74.9			2	25%	2	5%
75-149.9						
>150	35	100%	6	75%	41	95%
All Depths	35	100%	8	100%	43	100%
Coastwide						
0-74.9	47	13%	105	32%	152	22%
75-149.9	1	0%	2	1%	3	0%
>150	311	87%	226	68%	537	78%
All Depths	359	100%	333	100%	692	100%

Table 4. Discarded, retained, and total catch (pounds) for 26 groundfish species or species groups by area and depth (fathoms) from January 1, 2005 to April 30, 2006 in groundfish tows. Trips fishing California halibut, mid-water trawl, or Danish/Scottish seine were excluded.

OVERFISHED SPECIES

A. Bocaccio Rockfish

Depth Group (fm)	Disposition of fish	North of 40° 10' N. Lat.			South of 40° 10' N. Lat.			Coastwide		
		Pounds of species	Percent of disposition per depth group	Percent of depth group by disposition	Pounds of species	Percent of disposition per depth group	Percent of depth group by disposition	Pounds of species	Percent of disposition per depth group	Percent of depth group by disposition
Year 2005										
0-74.9	Discarded	117	35%	8%	1,597	100%	17%	1,714	89%	16%
	Retained	218	65%	64%				218	11%	56%
	Total Catch	335	100%	18%	1,597	100%	17%	1,932	100%	17%
75-149.9	Discarded	1,361	92%	89%	2,636	100%	28%	3,997	97%	37%
	Retained	121	8%	36%				121	3%	31%
	Total Catch	1,482	100%	80%	2,636	100%	28%	4,118	100%	37%
>150	Discarded	47	100%	3%	5,128	99%	55%	5,175	99%	48%
	Retained				51	1%	100%	51	1%	13%
	Total Catch	47	100%	3%	5,179	100%	55%	5,226	100%	46%
TOTAL	Discarded	1,525	82%	100%	9,360	99%	100%	10,886	97%	100%
	Retained	339	18%	100%	51	1%	100%	390	3%	100%
	Total Catch	1,864	100%	100%	9,411	100%	100%	11,276	100%	100%
January - April 2006										
>150	Discarded				4	100%	100%	4	100%	100%
	Retained									
	Total Catch				4	100%	100%	4	100%	100%
TOTAL	Discarded				4	100%	100%	4	100%	100%
	Retained									
	Total Catch				4	100%	100%	4	100%	100%

Table 4 (cont.). Discarded, retained, and total catch (pounds) for 26 groundfish species or species groups by area and depth (fathoms) from January 1, 2005 to April 30, 2006 in groundfish tows. Trips fishing California halibut, mid-water trawl, or Danish/Scottish seine were excluded.

B. Canary Rockfish

Depth Group (fm)	Disposition of fish	North of 40° 10' N. Lat.			South of 40° 10' N. Lat.			Coastwide		
		Pounds of species	Percent of disposition per depth group	Percent of depth group by disposition	Pounds of species	Percent of disposition per depth group	Percent of depth group by disposition	Pounds of species	Percent of disposition per depth group	Percent of depth group by disposition
Year 2005										
0-74.9	Discarded	3,842	70%	33%	5	4%	31%	3,847	68%	33%
	Retained	1,680	30%	48%	115	96%	97%	1,795	32%	49%
	Total Catch	5,522	100%	36%	120	100%	89%	5,642	100%	37%
75-149.9	Discarded	7,828	81%	67%	8	100%	50%	7,836	81%	67%
	Retained	1,821	19%	52%				1,821	19%	50%
	Total Catch	9,649	100%	63%	8	100%	6%	9,657	100%	63%
>150	Discarded	45	57%	0%	3	51%	19%	48	57%	0%
	Retained	33	43%	1%	3	49%	3%	36	43%	1%
	Total Catch	78	100%	1%	6	100%	5%	84	100%	1%
TOTAL	Discarded	11,715	77%	100%	16	12%	100%	11,731	76%	100%
	Retained	3,534	23%	100%	118	88%	100%	3,652	24%	100%
	Total Catch	15,249	100%	100%	134	100%	100%	15,383	100%	100%
January - April 2006										
0-74.9	Discarded	550	70%	99%				550	70%	99%
	Retained	234	30%	100%				234	30%	100%
	Total Catch	784	100%	99%				784	100%	99%
75-149.9	Discarded									
	Retained									
	Total Catch									
>150	Discarded	6	100%	1%				6	100%	1%
	Retained									
	Total Catch	6	100%	1%				6	100%	1%
TOTAL	Discarded	556	70%	100%				556	70%	100%
	Retained	234	30%	100%				234	30%	100%
	Total Catch	790	100%	100%				790	100%	100%

Table 4 (cont.). Discarded, retained, and total catch (pounds) for 26 groundfish species or species groups by area and depth (fathoms) from January 1, 2005 to April 30, 2006 in groundfish tows. Trips fishing California halibut, mid-water trawl, or Danish/Scottish seine were excluded.

C. Cowcod Rockfish

Depth Group (fm)	Disposition of fish	North of 40° 10' N. Lat.			South of 40° 10' N. Lat.			Coastwide		
		Pounds of species	Percent of disposition per depth group	Percent of depth group by disposition	Pounds of species	Percent of disposition per depth group	Percent of depth group by disposition	Pounds of species	Percent of disposition per depth group	Percent of depth group by disposition
Year 2005										
0-74.9	Discarded				59	100%	19%	59	100%	19%
	Retained									
	Total Catch				59	100%	19%	59	100%	19%
75-149.9	Discarded				201	100%	65%	201	100%	65%
	Retained									
	Total Catch				201	100%	65%	201	100%	65%
>150	Discarded				49	100%	16%	49	100%	16%
	Retained									
	Total Catch				49	100%	16%	49	100%	16%
TOTAL	Discarded				310	100%	100%	310	100%	100%
	Retained									
	Total Catch				310	100%	100%	310	100%	100%
January - April 2006										
0-74.9	Discarded									
	Retained									
	Total Catch									
75-149.9	Discarded									
	Retained									
	Total Catch									
>150	Discarded									
	Retained	85	100%	100%				85	100%	100%
	Total Catch	85	100%	100%				85	100%	100%
TOTAL	Discarded									
	Retained	85	100%	100%				85	100%	100%
	Total Catch	85	100%	100%				85	100%	100%

Table 4 (cont.). Discarded, retained, and total catch (pounds) for 26 groundfish species or species groups by area and depth (fathoms) from January 1, 2005 to April 30, 2006 in groundfish tows. Trips fishing California halibut, mid-water trawl, or Danish/Scottish seine were excluded.

D. Darkblotched Rockfish

Depth Group (fm)	Disposition of fish	North of 40° 10' N. Lat.			South of 40° 10' N. Lat.			Coastwide		
		Pounds of species	Percent of disposition per depth group	Percent of depth group by disposition	Pounds of species	Percent of disposition per depth group	Percent of depth group by disposition	Pounds of species	Percent of disposition per depth group	Percent of depth group by disposition
Year 2005										
0-74.9	Discarded	876	54%	7%				876	54%	7%
	Retained	742	46%	2%	1	100%	0%	743	46%	2%
	Total Catch	1,619	100%	3%	1	100%	0%	1,619	100%	3%
75-149.9	Discarded	2,329	32%	18%				2,329	32%	18%
	Retained	4,857	68%	12%				4,857	68%	10%
	Total Catch	7,185	100%	13%				7,185	100%	12%
>150	Discarded	9,423	21%	75%	566	7%	100%	9,990	19%	76%
	Retained	35,746	79%	86%	7,504	93%	100%	43,250	81%	89%
	Total Catch	45,169	100%	84%	8,070	100%	100%	53,239	100%	86%
TOTAL	Discarded	12,628	23%	100%	566	7%	100%	13,195	21%	100%
	Retained	41,345	77%	100%	7,505	93%	100%	48,849	79%	100%
	Total Catch	53,973	100%	100%	8,071	100%	100%	62,044	100%	100%
January - April 2006										
0-74.9	Discarded	2	100%	0%				2	100%	0%
	Retained									
	Total Catch	2	100%	0%				2	100%	0%
75-149.9	Discarded									
	Retained									
	Total Catch									
>150	Discarded	26,497	50%	100%	10	0%	100%	26,506	45%	100%
	Retained	26,677	50%	100%	5,330	100%	100%	32,007	55%	100%
	Total Catch	53,174	100%	100%	5,340	100%	100%	58,513	100%	100%
TOTAL	Discarded	26,498	50%	100%	10	0%	100%	26,508	45%	100%
	Retained	26,677	50%	100%	5,330	100%	100%	32,007	55%	100%
	Total Catch	53,175	100%	100%	5,340	100%	100%	58,515	100%	100%

Table 4 (cont.). Discarded, retained, and total catch (pounds) for 26 groundfish species or species groups by area and depth (fathoms) from January 1, 2005 to April 30, 2006 in groundfish tows. Trips fishing California halibut, mid-water trawl, or Danish/Scottish seine were excluded.

E. Lingcod

Depth Group (fm)	Disposition of fish	North of 40° 10' N. Lat.			South of 40° 10' N. Lat.			Coastwide		
		Pounds of species	Percent of disposition per depth group	Percent of depth group by disposition	Pounds of species	Percent of disposition per depth group	Percent of depth group by disposition	Pounds of species	Percent of disposition per depth group	Percent of depth group by disposition
Year 2005										
0-74.9	Discarded	84,655	82%	44%	6,156	85%	61%	90,811	83%	45%
	Retained	18,011	18%	59%	1,066	15%	28%	19,077	17%	55%
	Total Catch	102,666	100%	46%	7,222	100%	52%	109,888	100%	46%
75-149.9	Discarded	101,506	93%	53%	134	41%	1%	101,639	93%	50%
	Retained	7,691	7%	25%	190	59%	5%	7,882	7%	23%
	Total Catch	109,197	100%	49%	324	100%	2%	109,521	100%	46%
>150	Discarded	6,912	58%	4%	3,846	60%	38%	10,758	59%	5%
	Retained	5,024	42%	16%	2,592	40%	67%	7,616	41%	22%
	Total Catch	11,936	100%	5%	6,438	100%	46%	18,374	100%	8%
TOTAL	Discarded	193,073	86%	100%	10,135	72%	100%	203,208	85%	100%
	Retained	30,726	14%	100%	3,849	28%	100%	34,575	15%	100%
	Total Catch	223,799	100%	100%	13,984	100%	100%	237,783	100%	100%
January - April 2006										
0-74.9	Discarded	1,993	39%	50%				1,993	39%	50%
	Retained	3,094	61%	35%				3,094	61%	33%
	Total Catch	5,087	100%	40%				5,087	100%	38%
75-149.9	Discarded									
	Retained									
	Total Catch									
>150	Discarded	1,959	25%	50%				1,959	24%	50%
	Retained	5,760	75%	65%	460	100%	100%	6,220	76%	67%
	Total Catch	7,719	100%	60%	460	100%	100%	8,179	100%	62%
TOTAL	Discarded	3,952	31%	100%				3,952	30%	100%
	Retained	8,854	69%	100%	460	100%	100%	9,314	70%	100%
	Total Catch	12,806	100%	100%	460	100%	100%	13,266	100%	100%

Table 4 (cont.). Discarded, retained, and total catch (pounds) for 26 groundfish species or species groups by area and depth (fathoms) from January 1, 2005 to April 30, 2006 in groundfish tows. Trips fishing California halibut, mid-water trawl, or Danish/Scottish seine were excluded.

F. Pacific Ocean Perch

Depth Group (fm)	Disposition of fish	North of 40° 10' N. Lat.			South of 40° 10' N. Lat.			Coastwide		
		Pounds of species	Percent of disposition per depth group	Percent of depth group by disposition	Pounds of species	Percent of disposition per depth group	Percent of depth group by disposition	Pounds of species	Percent of disposition per depth group	Percent of depth group by disposition
Year 2005										
0-74.9	Discarded	13	4%	0%				13	4%	0%
	Retained	334	96%	1%				334	96%	1%
	Total Catch	347	100%	1%				347	100%	1%
75-149.9	Discarded	1,282	21%	22%				1,282	21%	22%
	Retained	4,787	79%	15%				4,787	79%	15%
	Total Catch	6,068	100%	16%				6,068	100%	16%
>150	Discarded	4,584	15%	78%				4,584	15%	78%
	Retained	25,922	85%	84%				25,922	85%	84%
	Total Catch	30,507	100%	83%				30,507	100%	83%
TOTAL	Discarded	5,879	16%	100%				5,879	16%	100%
	Retained	31,043	84%	100%				31,043	84%	100%
	Total Catch	36,922	100%	100%				36,922	100%	100%
January - April 2006										
0-74.9	Discarded									
	Retained	1	100%	0%				1	100%	0%
	Total Catch	1	100%	0%				1	100%	0%
75-149.9	Discarded									
	Retained									
	Total Catch									
>150	Discarded	2,132	17%	100%				2,132	17%	100%
	Retained	10,464	83%	100%				10,464	83%	100%
	Total Catch	12,597	100%	100%				12,597	100%	100%
TOTAL	Discarded	2,132	17%	100%				2,132	17%	100%
	Retained	10,465	83%	100%				10,465	83%	100%
	Total Catch	12,598	100%	100%				12,598	100%	100%

Table 4 (cont.). Discarded, retained, and total catch (pounds) for 26 groundfish species or species groups by area and depth (fathoms) from January 1, 2005 to April 30, 2006 in groundfish tows. Trips fishing California halibut, mid-water trawl, or Danish/Scottish seine were excluded.

G. Widow Rockfish

Depth Group (fm)	Disposition of fish	North of 40° 10' N. Lat.			South of 40° 10' N. Lat.			Coastwide		
		Pounds of species	Percent of disposition per depth group	Percent of depth group by disposition	Pounds of species	Percent of disposition per depth group	Percent of depth group by disposition	Pounds of species	Percent of disposition per depth group	Percent of depth group by disposition
Year 2005										
0-74.9	Discarded	5	57%	0%	16	100%	15%	20	86%	1%
	Retained	3	43%	1%				3	14%	1%
	Total Catch	8	100%	0%	16	100%	15%	24	100%	1%
75-149.9	Discarded	1,281	100%	70%				1,281	100%	66%
	Retained	4	0%	1%				4	0%	1%
	Total Catch	1,285	100%	61%				1,285	100%	58%
>150	Discarded	536	66%	29%	92	100%	85%	628	70%	33%
	Retained	271	34%	97%				271	30%	97%
	Total Catch	807	100%	38%	92	100%	85%	899	100%	41%
TOTAL	Discarded	1,822	87%	100%	108	100%	100%	1,929	87%	100%
	Retained	278	13%	100%				278	13%	100%
	Total Catch	2,100	100%	100%	108	100%	100%	2,207	100%	100%
January - April 2006										
0-74.9	Discarded	4	100%	6%				4	100%	6%
	Retained									
	Total Catch	4	100%	5%				4	100%	5%
75-149.9	Discarded									
	Retained									
	Total Catch									
>150	Discarded	52	77%	94%				52	77%	94%
	Retained	16	23%	100%				16	23%	100%
	Total Catch	68	100%	95%				68	100%	95%
TOTAL	Discarded	56	78%	100%				56	78%	100%
	Retained	16	22%	100%				16	22%	100%
	Total Catch	72	100%	100%				72	100%	100%

Table 4 (cont.). Discarded, retained, and total catch (pounds) for 26 groundfish species or species groups by area and depth (fathoms) from January 1, 2005 to April 30, 2006 in groundfish tows. Trips fishing California halibut, mid-water trawl, or Danish/Scottish seine were excluded.

H. Yelloweye Rockfish

Depth Group (fm)	Disposition of fish	North of 40° 10' N. Lat.			South of 40° 10' N. Lat.			Coastwide		
		Pounds of species	Percent of disposition per depth group	Percent of depth group by disposition	Pounds of species	Percent of disposition per depth group	Percent of depth group by disposition	Pounds of species	Percent of disposition per depth group	Percent of depth group by disposition
Year 2005										
0-74.9	Discarded	115	52%	34%				115	52%	34%
	Retained	104	48%	76%				104	48%	76%
	Total Catch	219	100%	46%				219	100%	46%
75-149.9	Discarded	168	84%	49%				168	84%	49%
	Retained	33	16%	24%				33	16%	24%
	Total Catch	200	100%	42%				200	100%	42%
>150	Discarded	57	100%	17%				57	100%	17%
	Retained									
	Total Catch	57	100%	12%				57	100%	12%
TOTAL	Discarded	340	71%	100%				340	71%	100%
	Retained	137	29%	100%				137	29%	100%
	Total Catch	477	100%	100%				477	100%	100%
January - April 2006										
0-74.9	Discarded									
	Retained									
	Total Catch									
75-149.9	Discarded									
	Retained									
	Total Catch									
>150	Discarded	5	100%	100%				5	100%	100%
	Retained									
	Total Catch	5	100%	100%				5	100%	100%
TOTAL	Discarded	5	100%	100%				5	100%	100%
	Retained									
	Total Catch	5	100%	100%				5	100%	100%

Table 4 (cont.). Discarded, retained, and total catch (pounds) for 26 groundfish species or species groups by area and depth (fathoms) from January 1, 2005 to April 30, 2006 in groundfish tows. Trips fishing California halibut, mid-water trawl, or Danish/Scottish seine were excluded.

DTS SPECIES. and HAKE

I. Dover Sole

Depth Group (fm)	Disposition of fish	North of 40° 10' N. Lat.			South of 40° 10' N. Lat.			Coastwide		
		Pounds of species	Percent of disposition per depth group	Percent of depth group by disposition	Pounds of species	Percent of disposition per depth group	Percent of depth group by disposition	Pounds of species	Percent of disposition per depth group	Percent of depth group by disposition
Year 2005										
0-74.9	Discarded	68,263	15%	25%	327	100%	1%	68,590	15%	22%
	Retained	378,189	85%	13%				378,189	85%	11%
	Total Catch	446,452	100%	14%	327	100%	0%	446,779	100%	12%
75-149.9	Discarded	40,586	10%	15%	270	100%	1%	40,856	10%	13%
	Retained	373,356	90%	13%				373,356	90%	11%
	Total Catch	413,942	100%	13%	270	100%	0%	414,212	100%	11%
>150	Discarded	160,361	7%	60%	45,881	8%	99%	206,242	7%	65%
	Retained	2,123,831	93%	74%	532,093	92%	100%	2,655,924	93%	78%
	Total Catch	2,284,191	100%	73%	577,974	100%	100%	2,862,166	100%	77%
TOTAL	Discarded	269,210	9%	100%	46,479	8%	100%	315,689	8%	100%
	Retained	2,875,376	91%	100%	532,093	92%	100%	3,407,468	92%	100%
	Total Catch	3,144,586	100%	100%	578,571	100%	100%	3,723,157	100%	100%
January - April 2006										
0-74.9	Discarded	779	12%	2%				779	12%	2%
	Retained	5,455	88%	1%				5,455	88%	1%
	Total Catch	6,233	100%	1%				6,233	100%	1%
75-149.9	Discarded									
	Retained									
	Total Catch									
>150	Discarded	33,961	4%	98%	3,070	7%	100%	37,030	4%	98%
	Retained	860,444	96%	99%	41,103	93%	100%	901,547	96%	99%
	Total Catch	894,405	100%	99%	44,173	100%	100%	938,578	100%	99%
TOTAL	Discarded	34,739	4%	100%	3,070	7%	100%	37,809	4%	100%
	Retained	865,899	96%	100%	41,103	93%	100%	907,002	96%	100%
	Total Catch	900,638	100%	100%	44,173	100%	100%	944,811	100%	100%

Table 4 (cont.). Discarded, retained, and total catch (pounds) for 26 groundfish species or species groups by area and depth (fathoms) from January 1, 2005 to April 30, 2006 in groundfish tows. Trips fishing California halibut, mid-water trawl, or Danish/Scottish seine were excluded.

J. Pacific Hake

Depth Group (fm)	Disposition of fish	North of 40° 10' N. Lat.			South of 40° 10' N. Lat.			Coastwide		
		Pounds of species	Percent of disposition per depth group	Percent of depth group by disposition	Pounds of species	Percent of disposition per depth group	Percent of depth group by disposition	Pounds of species	Percent of disposition per depth group	Percent of depth group by disposition
Year 2005										
0-74.9	Discarded	88,512	100%	28%	10,261	100%	11%	98,773	100%	24%
	Retained									
	Total Catch	88,512	100%	28%	10,261	100%	11%	98,773	100%	24%
75-149.9	Discarded	7,454	100%	2%	5,663	100%	6%	13,117	100%	3%
	Retained									
	Total Catch	7,454	100%	2%	5,663	100%	6%	13,117	100%	3%
>150	Discarded	223,009	100%	70%	75,219	100%	83%	298,228	100%	73%
	Retained									
	Total Catch	223,009	100%	70%	75,219	100%	83%	298,228	100%	73%
TOTAL	Discarded	318,975	100%	100%	91,142	100%	100%	410,118	100%	100%
	Retained									
	Total Catch	318,975	100%	100%	91,142	100%	100%	410,118	100%	100%
January - April 2006										
0-74.9	Discarded	519	100%	0%				519	100%	0%
	Retained									
	Total Catch	519	100%	0%				519	100%	0%
75-149.9	Discarded									
	Retained									
	Total Catch									
>150	Discarded	112,423	100%	100%	9,477	100%	100%	121,900	100%	100%
	Retained									
	Total Catch	112,423	100%	100%	9,477	100%	100%	121,900	100%	100%
TOTAL	Discarded	112,942	100%	100%	9,477	100%	100%	122,419	100%	100%
	Retained									
	Total Catch	112,942	100%	100%	9,477	100%	100%	122,419	100%	100%

Table 4 (cont.). Discarded, retained, and total catch (pounds) for 26 groundfish species or species groups by area and depth (fathoms) from January 1, 2005 to April 30, 2006 in groundfish tows. Trips fishing California halibut, mid-water trawl, or Danish/Scottish seine were excluded.

K. Sablefish

Depth Group (fm)	Disposition of fish	North of 40° 10' N. Lat.			South of 40° 10' N. Lat.			Coastwide		
		Pounds of species	Percent of disposition per depth group	Percent of depth group by disposition	Pounds of species	Percent of disposition per depth group	Percent of depth group by disposition	Pounds of species	Percent of disposition per depth group	Percent of depth group by disposition
Year 2005										
0-74.9	Discarded	39,124	44%	18%	1,761	30%	4%	40,884	43%	16%
	Retained	49,425	56%	5%	4,032	70%	2%	53,457	57%	5%
	Total Catch	88,548	100%	8%	5,793	100%	2%	94,341	100%	7%
75-149.9	Discarded	44,573	22%	21%	471	24%	1%	45,044	22%	17%
	Retained	155,405	78%	17%	1,496	76%	1%	156,901	78%	14%
	Total Catch	199,979	100%	18%	1,967	100%	1%	201,945	100%	14%
>150	Discarded	128,057	16%	60%	47,541	17%	96%	175,599	16%	67%
	Retained	696,160	84%	77%	231,583	83%	98%	927,744	84%	82%
	Total Catch	824,218	100%	74%	279,125	100%	97%	1,103,342	100%	79%
TOTAL	Discarded	211,754	19%	100%	49,773	17%	100%	261,527	19%	100%
	Retained	900,990	81%	100%	237,111	83%	100%	1,138,102	81%	100%
	Total Catch	1,112,745	100%	100%	286,884	100%	100%	1,399,629	100%	100%
January - April 2006										
0-74.9	Discarded	202	87%	0%				202	87%	0%
	Retained	30	13%	0%				30	13%	0%
	Total Catch	232	100%	0%				232	100%	0%
75-149.9	Discarded									
	Retained									
	Total Catch									
>150	Discarded	53,448	18%	100%	2,505	10%	100%	55,952	17%	100%
	Retained	245,945	82%	100%	22,612	90%	100%	268,557	83%	100%
	Total Catch	299,393	100%	100%	25,116	100%	100%	324,509	100%	100%
TOTAL	Discarded	53,650	18%	100%	2,505	10%	100%	56,155	17%	100%
	Retained	245,975	82%	100%	22,612	90%	100%	268,587	83%	100%
	Total Catch	299,625	100%	100%	25,116	100%	100%	324,741	100%	100%

Table 4 (cont.). Discarded, retained, and total catch (pounds) for 26 groundfish species or species groups by area and depth (fathoms) from January 1, 2005 to April 30, 2006 in groundfish tows. Trips fishing California halibut, mid-water trawl, or Danish/Scottish seine were excluded.

L. Longspine Thornyhead

Depth Group (fm)	Disposition of fish	North of 40° 10' N. Lat.			South of 40° 10' N. Lat.			Coastwide		
		Pounds of species	Percent of disposition per depth group	Percent of depth group by disposition	Pounds of species	Percent of disposition per depth group	Percent of depth group by disposition	Pounds of species	Percent of disposition per depth group	Percent of depth group by disposition
Year 2005										
0-74.9	Discarded	1	4%	0%				1	4%	0%
	Retained	14	96%	0%				14	96%	0%
	Total Catch	15	100%	0%				15	100%	0%
75-149.9	Discarded	14	9%	0%				14	9%	0%
	Retained	148	91%	0%				148	91%	0%
	Total Catch	162	100%	0%				162	100%	0%
>150	Discarded	11,528	7%	100%	11,236	6%	100%	22,763	7%	100%
	Retained	149,889	93%	100%	167,842	94%	100%	317,731	93%	100%
	Total Catch	161,417	100%	100%	179,078	100%	100%	340,494	100%	100%
TOTAL	Discarded	11,542	7%	100%	11,236	6%	100%	22,778	7%	100%
	Retained	150,051	93%	100%	167,842	94%	100%	317,893	93%	100%
	Total Catch	161,593	100%	100%	179,078	100%	100%	340,671	100%	100%
January - April 2006										
0-74.9	Discarded									
	Retained									
	Total Catch									
75-149.9	Discarded									
	Retained									
	Total Catch									
>150	Discarded	6,494	12%	100%	771	3%	100%	7,265	9%	100%
	Retained	48,883	88%	100%	25,966	97%	100%	74,849	91%	100%
	Total Catch	55,376	100%	100%	26,738	100%	100%	82,114	100%	100%
TOTAL	Discarded	6,494	12%	100%	771	3%	100%	7,265	9%	100%
	Retained	48,883	88%	100%	25,966	97%	100%	74,849	91%	100%
	Total Catch	55,376	100%	100%	26,738	100%	100%	82,114	100%	100%

Table 4 (cont.). Discarded, retained, and total catch (pounds) for 26 groundfish species or species groups by area and depth (fathoms) from January 1, 2005 to April 30, 2006 in groundfish tows. Trips fishing California halibut, mid-water trawl, or Danish/Scottish seine were excluded.

M. Shortspine Thornyhead

Depth Group (fm)	Disposition of fish	North of 40° 10' N. Lat.			South of 40° 10' N. Lat.			Coastwide		
		Pounds of species	Percent of disposition per depth group	Percent of depth group by disposition	Pounds of species	Percent of disposition per depth group	Percent of depth group by disposition	Pounds of species	Percent of disposition per depth group	Percent of depth group by disposition
Year 2005										
0-74.9	Discarded	15	1%	0%	0	100%	0%	16	1%	0%
	Retained	1,547	99%	1%				1,547	99%	1%
	Total Catch	1,562	100%	1%	0	100%	0%	1,562	100%	1%
75-149.9	Discarded	380	5%	2%				380	5%	1%
	Retained	7,744	95%	4%				7,744	95%	3%
	Total Catch	8,124	100%	4%				8,124	100%	3%
>150	Discarded	15,478	9%	98%	10,038	16%	100%	25,516	11%	98%
	Retained	163,093	91%	95%	54,358	84%	100%	217,451	89%	96%
	Total Catch	178,572	100%	95%	64,395	100%	100%	242,967	100%	96%
TOTAL	Discarded	15,873	8%	100%	10,038	16%	100%	25,911	10%	100%
	Retained	172,384	92%	100%	54,358	84%	100%	226,742	90%	100%
	Total Catch	188,257	100%	100%	64,396	100%	100%	252,653	100%	100%
January - April 2006										
0-74.9	Discarded									
	Retained									
	Total Catch									
75-149.9	Discarded	8,027	12%	100%	2,598	30%	100%	10,625	14%	100%
	Retained	57,770	88%	100%	6,117	70%	100%	63,887	86%	100%
	Total Catch	65,797	100%	100%	8,715	100%	100%	74,512	100%	100%
TOTAL	Discarded	8,027	12%	100%	2,598	30%	100%	10,625	14%	100%
	Retained	57,770	88%	100%	6,117	70%	100%	63,887	86%	100%
	Total Catch	65,797	100%	100%	8,715	100%	100%	74,512	100%	100%

Table 4 (cont.). Discarded, retained, and total catch (pounds) for 26 groundfish species or species groups by area and depth (fathoms) from January 1, 2005 to April 30, 2006 in groundfish tows. Trips fishing California halibut, mid-water trawl, or Danish/Scottish seine were excluded.

N. Mixed Thornyheads

Depth Group (fm)	Disposition of fish	North of 40° 10' N. Lat.			South of 40° 10' N. Lat.			Coastwide		
		Pounds of species	Percent of disposition per depth group	Percent of depth group by disposition	Pounds of species	Percent of disposition per depth group	Percent of depth group by disposition	Pounds of species	Percent of disposition per depth group	Percent of depth group by disposition
Year 2005										
0-74.9	Discarded Retained Total Catch									
75-149.9	Discarded Retained Total Catch									
>150	Discarded Retained Total Catch	57,337 28,919 86,256	66% 34% 100%	100% 100% 100%	9,041 3,052 12,093	75% 25% 100%	100% 100% 100%	66,378 31,971 98,349	67% 33% 100%	100% 100% 100%
TOTAL	Discarded Retained Total Catch	57,337 28,919 86,256	66% 34% 100%	100% 100% 100%	9,041 3,052 12,093	75% 25% 100%	100% 100% 100%	66,378 31,971 98,349	67% 33% 100%	100% 100% 100%
January - April 2006										
0-74.9	Discarded Retained Total Catch									
75-149.9	Discarded Retained Total Catch									
>150	Discarded Retained Total Catch	15,408 1,640 17,048	90% 10% 100%	100% 100% 100%	1,946 1,946 1,946	100% 100% 100%	100% 100% 100%	17,355 1,640 18,995	91% 9% 100%	100% 100% 100%
TOTAL	Discarded Retained Total Catch	15,408 1,640 17,048	90% 10% 100%	100% 100% 100%	1,946 1,946 1,946	100% 100% 100%	100% 100% 100%	17,355 1,640 18,995	91% 9% 100%	100% 100% 100%

Table 4 (cont.). Discarded, retained, and total catch (pounds) for 26 groundfish species or species groups by area and depth (fathoms) from January 1, 2005 to April 30, 2006 in groundfish tows. Trips fishing California halibut, mid-water trawl, or Danish/Scottish seine were excluded.

FLATFISH

O. Arrowtooth Flounder

Depth Group (fm)	Disposition of fish	North of 40° 10' N. Lat.			South of 40° 10' N. Lat.			Coastwide		
		Pounds of species	Percent of disposition per depth group	Percent of depth group by disposition	Pounds of species	Percent of disposition per depth group	Percent of depth group by disposition	Pounds of species	Percent of disposition per depth group	Percent of depth group by disposition
Year 2005										
0-74.9	Discarded	321,918	57%	34%	2	100%	0%	321,920	57%	34%
	Retained	246,682	43%	20%				246,682	43%	20%
	Total Catch	568,600	100%	26%	2	100%	0%	568,602	100%	26%
75-149.9	Discarded	527,503	48%	56%				527,503	48%	56%
	Retained	568,593	52%	46%				568,593	52%	46%
	Total Catch	1,096,096	100%	51%				1,096,096	100%	50%
>150	Discarded	91,716	18%	10%	7,656	73%	100%	99,372	19%	10%
	Retained	412,293	82%	34%	2,780	27%	100%	415,073	81%	34%
	Total Catch	504,009	100%	23%	10,436	100%	100%	514,445	100%	24%
TOTAL	Discarded	941,138	43%	100%	7,658	73%	100%	948,795	44%	100%
	Retained	1,227,568	57%	100%	2,780	27%	100%	1,230,348	56%	100%
	Total Catch	2,168,706	100%	100%	10,438	100%	100%	2,179,143	100%	100%
January - April 2006										
0-74.9	Discarded	4,051	93%	7%				4,051	93%	7%
	Retained	314	7%	0%				314	7%	0%
	Total Catch	4,365	100%	1%				4,365	100%	1%
75-149.9	Discarded									
	Retained									
	Total Catch									
>150	Discarded	50,056	17%	93%	498	57%	100%	50,554	17%	93%
	Retained	243,478	83%	100%	374	43%	100%	243,852	83%	100%
	Total Catch	293,534	100%	99%	872	100%	100%	294,406	100%	99%
TOTAL	Discarded	54,107	18%	100%	498	57%	100%	54,605	18%	100%
	Retained	243,792	82%	100%	374	43%	100%	244,166	82%	100%
	Total Catch	297,899	100%	100%	872	100%	100%	298,771	100%	100%

Table 4 (cont.). Discarded, retained, and total catch (pounds) for 26 groundfish species or species groups by area and depth (fathoms) from January 1, 2005 to April 30, 2006 in groundfish tows. Trips fishing California halibut, mid-water trawl, or Danish/Scottish seine were excluded.

P. English Sole

Depth Group (fm)	Disposition of fish	North of 40° 10' N. Lat.			South of 40° 10' N. Lat.			Coastwide		
		Pounds of species	Percent of disposition per depth group	Percent of depth group by disposition	Pounds of species	Percent of disposition per depth group	Percent of depth group by disposition	Pounds of species	Percent of disposition per depth group	Percent of depth group by disposition
Year 2005										
0-74.9	Discarded	67,392	28%	62%	9,478	50%	75%	76,870	29%	63%
	Retained	175,130	72%	50%	9,449	50%	44%	184,578	71%	50%
	Total Catch	242,522	100%	53%	18,926	100%	56%	261,448	100%	53%
75-149.9	Discarded	21,881	17%	20%	2,460	78%	19%	24,341	19%	20%
	Retained	103,557	83%	30%	681	22%	3%	104,238	81%	28%
	Total Catch	125,438	100%	27%	3,141	100%	9%	128,579	100%	26%
>150	Discarded	20,260	22%	18%	746	6%	6%	21,006	20%	17%
	Retained	71,078	78%	20%	11,249	94%	53%	82,327	80%	22%
	Total Catch	91,338	100%	20%	11,995	100%	35%	103,334	100%	21%
TOTAL	Discarded	109,533	24%	100%	12,684	37%	100%	122,217	25%	100%
	Retained	349,765	76%	100%	21,379	63%	100%	371,144	75%	100%
	Total Catch	459,298	100%	100%	34,063	100%	100%	493,361	100%	100%
January - April 2006										
0-74.9	Discarded	4,990	19%	91%				4,990	19%	90%
	Retained	20,690	81%	31%				20,690	81%	31%
	Total Catch	25,680	100%	36%				25,680	100%	36%
75-149.9	Discarded									
	Retained									
	Total Catch									
>150	Discarded	523	1%	9%	7	1%	100%	530	1%	10%
	Retained	45,307	99%	69%	712	99%	100%	46,019	99%	69%
	Total Catch	45,830	100%	64%	719	100%	100%	46,549	100%	64%
TOTAL	Discarded	5,513	8%	100%	7	1%	100%	5,521	8%	100%
	Retained	65,996	92%	100%	712	99%	100%	66,708	92%	100%
	Total Catch	71,510	100%	100%	719	100%	100%	72,229	100%	100%

Table 4 (cont.). Discarded, retained, and total catch (pounds) for 26 groundfish species or species groups by area and depth (fathoms) from January 1, 2005 to April 30, 2006 in groundfish tows. Trips fishing California halibut, mid-water trawl, or Danish/Scottish seine were excluded.

Q. Petrale Sole

Depth Group (fm)	Disposition of fish	North of 40° 10' N. Lat.			South of 40° 10' N. Lat.			Coastwide		
		Pounds of species	Percent of disposition per depth group	Percent of depth group by disposition	Pounds of species	Percent of disposition per depth group	Percent of depth group by disposition	Pounds of species	Percent of disposition per depth group	Percent of depth group by disposition
Year 2005										
0-74.9	Discarded	14,420	3%	54%	669	1%	65%	15,088	3%	55%
	Retained	400,273	97%	35%	59,274	99%	37%	459,547	97%	35%
	Total Catch	414,693	100%	36%	59,943	100%	37%	474,636	100%	36%
75-149.9	Discarded	8,424	5%	32%	122	1%	12%	8,546	5%	31%
	Retained	161,045	95%	14%	17,590	99%	11%	178,635	95%	14%
	Total Catch	169,469	100%	15%	17,712	100%	11%	187,181	100%	14%
>150	Discarded	3,664	1%	14%	231	0%	23%	3,895	1%	14%
	Retained	576,856	99%	51%	82,243	100%	52%	659,099	99%	51%
	Total Catch	580,520	100%	50%	82,474	100%	52%	662,993	100%	50%
TOTAL	Discarded	26,508	2%	100%	1,022	1%	100%	27,529	2%	100%
	Retained	1,138,174	98%	100%	159,106	99%	100%	1,297,280	98%	100%
	Total Catch	1,164,682	100%	100%	160,128	100%	100%	1,324,810	100%	100%
January - April 2006										
0-74.9	Retained	1,577	5%	21%				1,577	5%	21%
	Discarded	31,076	95%	7%				31,076	95%	7%
	Total Catch	32,653	100%	7%				32,653	100%	7%
75-149.9	Retained									
	Discarded									
	Total Catch									
>150	Retained	5,983	1%	79%	17	0%	100%	6,000	1%	79%
	Discarded	410,851	99%	93%	14,422	100%	100%	425,273	99%	93%
	Total Catch	416,834	100%	93%	14,439	100%	100%	431,273	100%	93%
TOTAL	Retained	7,560	2%	100%	17	0%	100%	7,577	2%	100%
	Discarded	441,927	98%	100%	14,422	100%	100%	456,349	98%	100%
	Total Catch	449,487	100%	100%	14,439	100%	100%	463,926	100%	100%

Table 4 (cont.). Discarded, retained, and total catch (pounds) for 26 groundfish species or species groups by area and depth (fathoms) from January 1, 2005 to April 30, 2006 in groundfish tows. Trips fishing California halibut, mid-water trawl, or Danish/Scottish seine were excluded.

R. Starry Flounder

Depth Group (fm)	Disposition of fish	North of 40° 10' N. Lat.			South of 40° 10' N. Lat.			Coastwide		
		Pounds of species	Percent of disposition per depth group	Percent of depth group by disposition	Pounds of species	Percent of disposition per depth group	Percent of depth group by disposition	Pounds of species	Percent of disposition per depth group	Percent of depth group by disposition
Year 2005										
0-74.9	Discarded	111	3%	100%	18	15%	100%	129	3%	100%
	Retained	3,881	97%	94%	105	85%	100%	3,986	97%	94%
	Total Catch	3,991	100%	94%	123	100%	100%	4,114	100%	95%
75-149.9	Discarded	94	100%	2%				94	100%	2%
	Retained									
	Total Catch	94	100%	2%				94	100%	2%
>150	Discarded	138	100%	3%				138	100%	3%
	Retained									
	Total Catch	138	100%	3%				138	100%	3%
TOTAL	Discarded	111	3%	100%	18	15%	100%	129	3%	100%
	Retained	4,113	97%	100%	105	85%	100%	4,218	97%	100%
	Total Catch	4,224	100%	100%	123	100%	100%	4,347	100%	100%
January - April 2006										
0-74.9	Discarded	1	1%	100%				1	1%	100%
	Retained	55	99%	100%				55	99%	100%
	Total Catch	56	100%	100%				56	100%	100%
75-149.9	Discarded									
	Retained									
	Total Catch									
>150	Discarded									
	Retained									
	Total Catch									
TOTAL	Discarded	1	1%	100%				1	1%	100%
	Retained	55	99%	100%				55	99%	100%
	Total Catch	56	100%	100%				56	100%	100%

Table 4 (cont.). Discarded, retained, and total catch (pounds) for 26 groundfish species or species groups by area and depth (fathoms) from January 1, 2005 to April 30, 2006 in groundfish tows. Trips fishing California halibut, mid-water trawl, or Danish/Scottish seine were excluded.

S. Other Flatfish

Depth Group (fm)	Disposition of fish	North of 40° 10' N. Lat.			South of 40° 10' N. Lat.			Coastwide		
		Pounds of species	Percent of disposition per depth group	Percent of depth group by disposition	Pounds of species	Percent of disposition per depth group	Percent of depth group by disposition	Pounds of species	Percent of disposition per depth group	Percent of depth group by disposition
Year 2005										
0-74.9	Discarded	184,168	46%	69%	18,667	46%	54%	202,835	46%	67%
	Retained	212,750	54%	55%	22,038	54%	24%	234,787	54%	49%
	Total Catch	396,918	100%	61%	40,705	100%	32%	437,623	100%	56%
75-149.9	Discarded	58,986	59%	22%	3,638	69%	11%	62,624	60%	21%
	Retained	40,381	41%	11%	1,668	31%	2%	42,049	40%	9%
	Total Catch	99,367	100%	15%	5,307	100%	4%	104,673	100%	13%
>150	Discarded	25,640	16%	10%	12,319	15%	36%	37,959	16%	13%
	Retained	130,490	84%	34%	70,031	85%	75%	200,521	84%	42%
	Total Catch	156,131	100%	24%	82,349	100%	64%	238,480	100%	31%
TOTAL	Discarded	268,794	41%	100%	34,624	27%	100%	303,419	39%	100%
	Retained	383,621	59%	100%	93,736	73%	100%	477,357	61%	100%
	Total Catch	652,415	100%	100%	128,361	100%	100%	780,776	100%	100%
January - April 2006										
0-74.9	Discarded	9,754	30%	42%				9,754	30%	41%
	Retained	23,130	70%	26%				23,130	70%	25%
	Total Catch	32,885	100%	30%				32,885	100%	28%
75-149.9	Discarded									
	Retained									
	Total Catch									
>150	Discarded	13,575	17%	58%	716	10%	100%	14,291	17%	59%
	Retained	64,645	83%	74%	6,516	90%	100%	71,161	83%	75%
	Total Catch	78,220	100%	70%	7,232	100%	100%	85,452	100%	72%
TOTAL	Discarded	23,329	21%	100%	716	10%	100%	24,045	20%	100%
	Retained	87,775	79%	100%	6,516	90%	100%	94,291	80%	100%
	Total Catch	111,104	100%	100%	7,232	100%	100%	118,337	100%	100%

Table 4 (cont.). Discarded, retained, and total catch (pounds) for 26 groundfish species or species groups by area and depth (fathoms) from January 1, 2005 to April 30, 2006 in groundfish tows. Trips fishing California halibut, mid-water trawl, or Danish/Scottish seine were excluded.

Nearshore Rockfish

T. Black Rockfish

Depth Group (fm)	Disposition of fish	North of 40° 10' N. Lat.			South of 40° 10' N. Lat.			Coastwide		
		Pounds of species	Percent of disposition per depth group	Percent of depth group by disposition	Pounds of species	Percent of disposition per depth group	Percent of depth group by disposition	Pounds of species	Percent of disposition per depth group	Percent of depth group by disposition
Year 2005										
0-74.9	Discarded	290	54%	100%				290	54%	100%
	Retained	244	46%	80%				244	46%	80%
	Total Catch	534	100%	90%				534	100%	90%
75-149.9	Discarded	29	100%	9%				29	100%	9%
	Retained									
	Total Catch	29	100%	5%				29	100%	5%
>150	Discarded	32	100%	10%				32	100%	10%
	Retained									
	Total Catch	32	100%	5%				32	100%	5%
TOTAL	Discarded	290	49%	100%				290	49%	100%
	Retained	305	51%	100%				305	51%	100%
	Total Catch	595	100%	100%				595	100%	100%
January - April 2006										
0-74.9	Discarded	133	26%	100%				133	26%	100%
	Retained	371	74%	100%				371	74%	100%
	Total Catch	504	100%	100%				504	100%	100%
75-149.9	Discarded									
	Retained									
	Total Catch									
>150	Discarded									
	Retained									
	Total Catch									
TOTAL	Discarded	133	26%	100%				133	26%	100%
	Retained	371	74%	100%				371	74%	100%
	Total Catch	504	100%	100%				504	100%	100%

Table 4 (cont.). Discarded, retained, and total catch (pounds) for 26 groundfish species or species groups by area and depth (fathoms) from January 1, 2005 to April 30, 2006 in groundfish tows. Trips fishing California halibut, mid-water trawl, or Danish/Scottish seine were excluded.

U. Other Nearshore Rockfish

Depth Group (fm)	Disposition of fish	North of 40° 10' N. Lat.			South of 40° 10' N. Lat.			Coastwide		
		Pounds of species	Percent of disposition per depth group	Percent of depth group by disposition	Pounds of species	Percent of disposition per depth group	Percent of depth group by disposition	Pounds of species	Percent of disposition per depth group	Percent of depth group by disposition
Year 2005										
0-74.9	Discarded	32	100%	96%	106	100%	22%	138	100%	27%
	Retained									
	Total Catch	32	100%	96%	106	100%	22%	138	100%	27%
75-149.9	Discarded	1	100%	4%	107	100%	23%	108	100%	21%
	Retained									
	Total Catch	1	100%	4%	107	100%	23%	108	100%	21%
>150	Discarded				262	100%	55%	262	100%	52%
	Retained									
	Total Catch				262	100%	55%	262	100%	52%
TOTAL	Discarded	33	100%	100%	475	100%	100%	508	100%	100%
	Retained									
	Total Catch	33	100%	100%	475	100%	100%	508	100%	100%
January - April 2006										
0-74.9	Discarded									
	Retained									
	Total Catch									
75-149.9	Discarded									
	Retained									
	Total Catch									
>150	Discarded									
	Retained									
	Total Catch									
TOTAL	Discarded									
	Retained									
	Total Catch									

Table 4 (cont.). Discarded, retained, and total catch (pounds) for 26 groundfish species or species groups by area and depth (fathoms) from January 1, 2005 to April 30, 2006 in groundfish tows. Trips fishing California halibut, mid-water trawl, or Danish/Scottish seine were excluded.

V. Yellowtail Rockfish

Depth Group (fm)	Disposition of fish	North of 40° 10' N. Lat.			South of 40° 10' N. Lat.			Coastwide		
		Pounds of species	Percent of disposition per depth group	Percent of depth group by disposition	Pounds of species	Percent of disposition per depth group	Percent of depth group by disposition	Pounds of species	Percent of disposition per depth group	Percent of depth group by disposition
Year 2005										
0-74.9	Discarded	7,525	43%	40%	70	20%	100%	7,595	43%	40%
	Retained	9,775	57%	56%	278	80%	52%	10,053	57%	56%
	Total Catch	17,300	100%	48%	348	100%	58%	17,648	100%	48%
75-149.9	Discarded	11,163	59%	59%				11,163	59%	59%
	Retained	7,628	41%	44%				7,628	41%	42%
	Total Catch	18,791	100%	52%				18,791	100%	51%
>150	Discarded	283	89%	1%				283	49%	1%
	Retained	37	11%	0%	255	100%	48%	292	51%	2%
	Total Catch	319	100%	1%	255	100%	42%	574	100%	2%
TOTAL	Discarded	18,971	52%	100%	70	12%	100%	19,041	51%	100%
	Retained	17,439	48%	100%	533	88%	100%	17,972	49%	100%
	Total Catch	36,410	100%	100%	603	100%	100%	37,013	100%	100%
January - April 2006										
0-74.9	Discarded									
	Retained	1,545	100%	100%				1,545	100%	100%
	Total Catch	1,545	100%	100%				1,545	100%	100%
75-149.9	Discarded									
	Retained									
	Total Catch									
>150	Discarded									
	Retained									
	Total Catch									
TOTAL	Discarded									
	Retained	1,545	100%	100%				1,545	100%	100%
	Total Catch	1,545	100%	100%				1,545	100%	100%

Table 4 (cont.). Discarded, retained, and total catch (pounds) for 26 groundfish species or species groups by area and depth (fathoms) from January 1, 2005 to April 30, 2006 in groundfish tows. Trips fishing California halibut, mid-water trawl, or Danish/Scottish seine were excluded.

W. Other Shelf Rockfish

Depth Group (fm)	Disposition of fish	North of 40° 10' N. Lat.			South of 40° 10' N. Lat.			Coastwide		
		Pounds of species	Percent of disposition per depth group	Percent of depth group by disposition	Pounds of species	Percent of disposition per depth group	Percent of depth group by disposition	Pounds of species	Percent of disposition per depth group	Percent of depth group by disposition
Year 2005										
0-74.9	Discarded	8,003	99%	25%	14,260	93%	47%	22,263	95%	36%
	Retained	109	1%	24%	1,109	7%	8%	1,217	5%	9%
	Total Catch	8,112	100%	25%	15,369	100%	36%	23,481	100%	31%
75-149.9	Discarded	23,540	99%	73%	14,981	97%	50%	38,520	98%	62%
	Retained	252	1%	56%	434	3%	3%	686	2%	5%
	Total Catch	23,792	100%	72%	15,415	100%	36%	39,207	100%	52%
>150	Discarded	892	91%	3%	823	7%	3%	1,715	13%	3%
	Retained	90	9%	20%	11,636	93%	88%	11,726	87%	86%
	Total Catch	982	100%	3%	12,459	100%	29%	13,441	100%	18%
TOTAL	Discarded	32,435	99%	100%	30,064	70%	100%	62,499	82%	100%
	Retained	450	1%	100%	13,179	30%	100%	13,629	18%	100%
	Total Catch	32,885	100%	100%	43,243	100%	100%	76,128	100%	100%
January - April 2006										
0-74.9	Discarded	29	100%	11%				29	100%	6%
	Retained									
	Total Catch	29	100%	11%				29	100%	2%
75-149.9	Discarded									
	Retained									
	Total Catch									
>150	Discarded	233	100%	89%	194	19%	100%	427	33%	94%
	Retained				850	81%	100%	850	67%	100%
	Total Catch	233	100%	89%	1,044	100%	100%	1,277	100%	98%
TOTAL	Discarded	262	100%	100%	194	19%	100%	456	35%	100%
	Retained				850	81%	100%	850	65%	100%
	Total Catch	262	100%	100%	1,044	100%	100%	1,306	100%	100%

Table 4 (cont.). Discarded, retained, and total catch (pounds) for 26 groundfish species or species groups by area and depth (fathoms) from January 1, 2005 to April 30, 2006 in groundfish tows. Trips fishing California halibut, mid-water trawl, or Danish/Scottish seine were excluded.

Minor Slope Rockfish

X. Blackgill Rockfish

Depth Group (fm)	Disposition of fish	North of 40° 10' N. Lat.			South of 40° 10' N. Lat.			Coastwide		
		Pounds of species	Percent of disposition per depth group	Percent of depth group by disposition	Pounds of species	Percent of disposition per depth group	Percent of depth group by disposition	Pounds of species	Percent of disposition per depth group	Percent of depth group by disposition
Year 2005										
0-74.9	Discarded Retained Total Catch									
75-149.9	Discarded Retained Total Catch									
>150	Discarded Retained Total Catch	241	100%	100%	407	100%	100%	648	100%	100%
TOTAL	Discarded Retained Total Catch	241	100%	100%	407	100%	100%	648	100%	100%
January - April 2006										
0-74.9	Discarded Retained Total Catch									
75-149.9	Discarded Retained Total Catch									
>150	Discarded Retained Total Catch	340	100%	100%				340	100%	100%
TOTAL	Discarded Retained Total Catch	340	100%	100%				340	100%	100%

Table 4 (cont.). Discarded, retained, and total catch (pounds) for 26 groundfish species or species groups by area and depth (fathoms) from January 1, 2005 to April 30, 2006 in groundfish tows. Trips fishing California halibut, mid-water trawl, or Danish/Scottish seine were excluded.

Y. Other Slope Rockfish

Depth Group (fm)	Disposition of fish	North of 40° 10' N. Lat.			South of 40° 10' N. Lat.			Coastwide		
		Pounds of species	Percent of disposition per depth group	Percent of depth group by disposition	Pounds of species	Percent of disposition per depth group	Percent of depth group by disposition	Pounds of species	Percent of disposition per depth group	Percent of depth group by disposition
Year 2005										
0-74.9	Discarded	988	99%	6%	20	100%	0%	1,008	99%	2%
	Retained	6	1%	25%				6	1%	0%
	Total Catch	994	100%	6%	20	100%	0%	1,014	100%	1%
75-149.9	Discarded	2,031	100%	12%				2,031	100%	3%
	Retained	4	0%	18%				4	0%	0%
	Total Catch	2,035	100%	12%				2,035	100%	2%
>150	Discarded	14,214	100%	82%	48,042	44%	100%	62,257	51%	95%
	Retained	13	0%	57%	60,237	56%	100%	60,250	49%	100%
	Total Catch	14,227	100%	82%	108,279	100%	100%	122,507	100%	98%
TOTAL	Discarded	17,233	100%	100%	48,062	44%	100%	65,295	52%	100%
	Retained	23	0%	100%	60,237	56%	100%	60,260	48%	100%
	Total Catch	17,255	100%	100%	108,299	100%	100%	125,555	100%	100%
January - April 2006										
0-74.9	Discarded									
	Retained									
	Total Catch									
75-149.9	Discarded									
	Retained									
	Total Catch									
>150	Discarded	14,874	100%	100%	1,376	16%	100%	16,251	69%	100%
	Retained				7,145	84%	100%	7,145	31%	100%
	Total Catch	14,874	100%	100%	8,521	100%	100%	23,396	100%	100%
TOTAL	Discarded	14,874	100%	100%	1,376	16%	100%	16,251	69%	100%
	Retained				7,145	84%	100%	7,145	31%	100%
	Total Catch	14,874	100%	100%	8,521	100%	100%	23,396	100%	100%

Table 4 (cont.). Discarded, retained, and total catch (pounds) for 26 groundfish species or species groups by area and depth (fathoms) from January 1, 2005 to April 30, 2006 in groundfish tows. Trips fishing California halibut, mid-water trawl, or Danish/Scottish seine were excluded.

Z. Other Roundfish

Depth Group (fm)	Disposition of fish	North of 40° 10' N. Lat.			South of 40° 10' N. Lat.			Coastwide		
		Pounds of species	Percent of disposition per depth group	Percent of depth group by disposition	Pounds of species	Percent of disposition per depth group	Percent of depth group by disposition	Pounds of species	Percent of disposition per depth group	Percent of depth group by disposition
Year 2005										
0-74.9	Discarded	2,677	1%	4%	8	100%	0%	2,685	1%	3%
	Retained	301,542	99%	59%				301,542	99%	57%
	Total Catch	304,219	100%	52%	8	100%	0%	304,227	100%	50%
75-149.9	Discarded	722	0%	1%				722	0%	1%
	Retained	154,625	100%	30%				154,625	100%	29%
	Total Catch	155,346	100%	27%				155,346	100%	26%
>150	Discarded	61,494	51%	95%	14,284	54%	100%	75,778	52%	96%
	Retained	58,837	49%	11%	12,282	46%	100%	71,120	48%	13%
	Total Catch	120,331	100%	21%	26,566	100%	100%	146,898	100%	24%
TOTAL	Discarded	64,893	11%	100%	14,292	54%	100%	79,185	13%	100%
	Retained	515,004	89%	100%	12,282	46%	100%	527,286	87%	100%
	Total Catch	579,897	100%	100%	26,574	100%	100%	606,471	100%	100%
January - April 2006										
0-74.9	Discarded	1,454	4%	10%				1,454	4%	8%
	Retained	34,929	96%	88%				34,929	96%	84%
	Total Catch	36,383	100%	66%				36,383	100%	61%
75-149.9	Discarded									
	Retained									
	Total Catch									
>150	Discarded	13,853	75%	90%	2,660	57%	100%	16,513	71%	92%
	Retained	4,692	25%	12%	2,021	43%	100%	6,713	29%	16%
	Total Catch	18,546	100%	34%	4,680	100%	100%	23,226	100%	39%
TOTAL	Discarded	15,308	28%	100%	2,660	57%	100%	17,967	30%	100%
	Retained	39,621	72%	100%	2,021	43%	100%	41,642	70%	100%
	Total Catch	54,929	100%	100%	4,680	100%	100%	59,609	100%	100%

Table 5. Discarded, retained, and total catch (pounds) for 6 non-groundfish species or species groups by area and depth (fathoms) from January 1, 2005 to April 30, 2006 in groundfish tows. Trips fishing California halibut, mid-water trawl, or Danish/Scottish seine were excluded.

A. California halibut

Depth Group (fm)	Disposition of fish	North of 40° 10' N. Lat.			South of 40° 10' N. Lat.			Coastwide		
		Pounds of species	Percent of disposition per depth group	Percent of depth group by disposition	Pounds of species	Percent of disposition per depth group	Percent of depth group by disposition	Pounds of species	Percent of disposition per depth group	Percent of depth group by disposition
Year 2005										
0-74.9	Discarded									
	Retained				83	100%	100%	83	100%	100%
	Total Catch				83	100%	100%	83	100%	100%
75-149.9	Discarded									
	Retained									
	Total Catch									
>150	Discarded									
	Retained									
	Total Catch									
TOTAL	Discarded				83	100%	100%	83	100%	100%
	Retained				83	100%	100%	83	100%	100%
	Total Catch				83	100%	100%	83	100%	100%
January - April 2006										
0-74.9	Discarded									
	Retained									
	Total Catch									
75-149.9	Discarded									
	Retained									
	Total Catch									
>150	Discarded									
	Retained									
	Total Catch									
TOTAL	Discarded									
	Retained									
	Total Catch									

Table 5 (cont.). Discarded, retained, and total catch (pounds) for 6 non-groundfish species or species groups by area and depth (fathoms) from January 1, 2005 to April 30, 2006 in groundfish tows. Trips fishing California halibut, mid-water trawl, or Danish/Scottish seine were excluded.

B. Pacific halibut

Depth Group (fm)	Disposition of fish	North of 40° 10' N. Lat.			South of 40° 10' N. Lat.			Coastwide		
		Pounds of species	Percent of disposition per depth group	Percent of depth group by disposition	Pounds of species	Percent of disposition per depth group	Percent of depth group by disposition	Pounds of species	Percent of disposition per depth group	Percent of depth group by disposition
Year 2005										
0-74.9	Discarded	89,449	100%	40%	996	100%	97%	90,446	100%	40%
	Retained									
	Total Catch	89,449	100%	40%	996	100%	97%	90,446	100%	40%
75-149.9	Discarded	88,155	100%	39%				88,155	100%	39%
	Retained									
	Total Catch	88,155	100%	39%				88,155	100%	39%
>150	Discarded	48,464	100%	21%	34	100%	3%	48,497	100%	21%
	Retained									
	Total Catch	48,464	100%	21%	34	100%	3%	48,497	100%	21%
TOTAL	Discarded	226,068	100%	100%	1,030	100%	100%	227,098	100%	100%
	Retained									
	Total Catch	226,068	100%	100%	1,030	100%	100%	227,098	100%	100%
January - April 2006										
0-74.9	Discarded	10,424	100%	39%				10,424	100%	39%
	Retained									
	Total Catch	10,424	100%	39%				10,424	100%	39%
75-149.9	Discarded									
	Retained									
	Total Catch									
>150	Discarded	16,413	100%	61%	65	100%	100%	16,478	100%	61%
	Retained									
	Total Catch	16,413	100%	61%	65	100%	100%	16,478	100%	61%
TOTAL	Discarded	26,837	100%	100%	65	100%	100%	26,902	100%	100%
	Retained									
	Total Catch	26,837	100%	100%	65	100%	100%	26,902	100%	100%

Table 5 (cont.). Discarded, retained, and total catch (pounds) for 6 non-groundfish species or species groups by area and depth (fathoms) from January 1, 2005 to April 30, 2006 in groundfish tows. Trips fishing California halibut, mid-water trawl, or Danish/Scottish seine were excluded.

C. Chinook Salmon

Depth Group (fm)	Disposition of fish	North of 40° 10' N. Lat.			South of 40° 10' N. Lat.			Coastwide		
		Pounds of species	Percent of disposition per depth group	Percent of depth group by disposition	Pounds of species	Percent of disposition per depth group	Percent of depth group by disposition	Pounds of species	Percent of disposition per depth group	Percent of depth group by disposition
Year 2005										
0-74.9	Discarded	13	100%	2%	3	100%	100%	16	100%	2%
	Retained									
	Total Catch	13	100%	2%	3	100%	100%	16	100%	2%
75-149.9	Discarded	28	100%	4%				28	100%	4%
	Retained									
	Total Catch	28	100%	4%				28	100%	4%
>150	Discarded	693	100%	94%				693	100%	94%
	Retained									
	Total Catch	693	100%	94%				693	100%	94%
TOTAL	Discarded	734	100%	100%	3	100%	100%	737	100%	100%
	Retained									
	Total Catch	734	100%	100%	3	100%	100%	737	100%	100%
January - April 2006										
0-74.9	Discarded	7	100%	18%				7	100%	18%
	Retained									
	Total Catch	7	100%	18%				7	100%	18%
75-149.9	Discarded									
	Retained									
	Total Catch									
>150	Discarded	30	100%	82%				30	100%	82%
	Retained									
	Total Catch	30	100%	82%				30	100%	82%
TOTAL	Discarded	37	100%	100%				37	100%	100%
	Retained									
	Total Catch	37	100%	100%				37	100%	100%

Table 5 (cont.). Discarded, retained, and total catch (pounds) for 6 non-groundfish species or species groups by area and depth (fathoms) from January 1, 2005 to April 30, 2006 in groundfish tows. Trips fishing California halibut, mid-water trawl, or Danish/Scottish seine were excluded.

D. Coho Salmon

Depth Group (fm)	Disposition of fish	North of 40° 10' N. Lat.			South of 40° 10' N. Lat.			Coastwide		
		Pounds of species	Percent of disposition per depth group	Percent of depth group by disposition	Pounds of species	Percent of disposition per depth group	Percent of depth group by disposition	Pounds of species	Percent of disposition per depth group	Percent of depth group by disposition
Year 2005										
0-74.9	Discarded Retained Total Catch									
75-149.9	Discarded Retained Total Catch									
>150	Discarded Retained Total Catch	3	100%	100%				3	100%	100%
		3	100%	100%				3	100%	100%
TOTAL	Discarded Retained Total Catch	3	100%	100%				3	100%	100%
		3	100%	100%				3	100%	100%
January - April 2006										
0-74.9	Discarded Retained Total Catch									
75-149.9	Discarded Retained Total Catch									
>150	Discarded Retained Total Catch									
TOTAL	Discarded Retained Total Catch									

Table 6. Ratio estimate and standard error for the discarded pounds of 35 selected species or species groups by area, depth, and two-month period from January 1, 2005 to April 30, 2006 in observed groundfish tows. Periods have been combined in order to have sufficient data for estimation. Combinations of area and depth with insufficient data have been omitted. Standard errors cannot be calculated when there is only one tow in a category. Where quantities could not be estimated, cells were left blank.

A. Bocaccio Rockfish

Year	Area	Depth (fm)	Period	Number of tows	Discarded lb of species per hour of towing		Discarded lb of species per 100 lb of retained groundfish		Percent of species discarded from total catch of species	
					lb/hr	se	ratio	se	%	se
2005	North	0-74.9	1-2	132	0.0000		0.0000			
			3	514	0.0092	0.0092	0.0015	0.0015	5.303%	7.109%
			4	398	0.0993	0.0848	0.0140	0.0119	91.293%	10.467%
			5	104	0.0049	0.0035	0.0005	0.0003	12.088%	13.096%
		75-149.9	1-2	123	0.0000		0.0000		0.000%	
			3	154	3.4015	1.1115	0.2659	0.0872	90.651%	8.159%
			4	319	0.4209	0.1444	0.0365	0.0122	100.000%	0.000%
			5-6	86	0.0000		0.0000			
		>150	1	301	0.0306	0.0157	0.0033	0.0017	100.000%	
			2	303	0.0000		0.0000			
			3	234	0.0000		0.0000			
			4	115	0.0000		0.0000			
			5	112	0.0000		0.0000			
			6	113	0.0000		0.0000			
	South	0-74.9	1-6	79	7.3966	1.8064	1.5114	0.3715	100.000%	
		75-149.9	1-6	27	36.1947	8.5616	11.5057	3.3581	100.000%	
		>150	1	61	0.0000		0.0000			
			2	109	0.0645	0.0527	0.0074	0.0061	100.000%	
			3	39	0.9698	0.9918	0.1069	0.1038	81.947%	16.480%
			4	92	9.0952	3.3438	1.6318	0.5911	100.000%	
			5	34	0.0000		0.0000			
			6	32	0.0000		0.0000			
January - April 2006	North									
		0-74.9	1-2	150	0.0000		0.0000			
		> 150	1	276	0.0000		0.0000			
			2	220	0.0000		0.0000			
	South	>150	1	35	0.0180	0.0183	0.0032	0.0032	100.000%	
			2	6	0.0000		0.0000			

Table 6 (cont.). Ratio estimate and standard error for the discarded pounds of 35 selected species or species groups by area, depth, and two-month period from January 1, 2005 to April 30, 2006 in observed groundfish tows. Periods have been combined in order to have sufficient data for estimation. Combinations of area and depth with insufficient data have been omitted. Standard errors cannot be calculated when there is only one tow in a category. Where quantities could not be estimated, cells were left blank.

B. Canary Rockfish

Year	Area	Depth (fm)	Period	Number of tows	Discarded lb of species per hour of towing		Discarded lb of species per 100 lb of retained groundfish		Percent of species discarded from total catch of species	
					lb/hr	se	ratio	se	%	se
2005	North	0-74.9	1-2	132	0.2857	0.0879	0.0532	0.0172	40.078%	13.531%
			3	514	0.7067	0.2670	0.1185	0.0449	58.725%	10.777%
			4	398	2.6503	1.0195	0.3736	0.1449	75.214%	7.333%
			5	104	0.4803	0.1731	0.0463	0.0174	72.250%	8.985%
		75-149.9	1-2	123	2.8012	0.6887	0.4359	0.1013	81.285%	7.351%
			3	154	4.7655	1.3136	0.3725	0.1062	71.764%	9.480%
			4	319	7.7263	2.9522	0.6698	0.2526	85.279%	5.471%
			5-6	86	1.6910	0.8773	0.1242	0.0632	71.189%	11.929%
		>150	1	301	0.0153	0.0100	0.0017	0.0011	100.000%	
			2	303	0.0019	0.0019	0.0002	0.0002	100.000%	
			3	234	0.0143	0.0103	0.0031	0.0022	39.131%	22.322%
			4	115	0.0000		0.0000		0.000%	
			5	112	0.0000		0.0000			
			6	113	0.0000		0.0000			
	South	0-74.9	1-6	79	0.0232	0.0233	0.0047	0.0048	4.167%	4.719%
		75-149.9	1-6	27	0.1112	0.0794	0.0354	0.0258	100.000%	
		>150	1	61	0.0000		0.0000			
			2	109	0.0000		0.0000			
			3	39	0.0000		0.0000			
			4	92	0.0058	0.0059	0.0010	0.0011	50.820%	35.540%
			5	34	0.0000		0.0000			
			6	32	0.0000		0.0000			
January - April 2006	North									
		0-74.9	1-2	150	1.7120	0.6539	0.4489	0.1453	70.195%	11.669%
		> 150	1	276	0.0000		0.0000			
			2	220	0.0049	0.0035	0.0006	0.0004	100.000%	
	South	>150	1	35	0.0000		0.0000			
			2	6	0.0000		0.0000			

Table 6 (cont.). Ratio estimate and standard error for the discarded pounds of 35 selected species or species groups by area, depth, and two-month period from January 1, 2005 to April 30, 2006 in observed groundfish tows. Periods have been combined in order to have sufficient data for estimation. Combinations of area and depth with insufficient data have been omitted. Standard errors cannot be calculated when there is only one tow in a category. Where quantities could not be estimated, cells were left blank.

C. Cowcod Rockfish

Year	Area	Depth (fm)	Period	Number of tows	Discarded lb of species per hour of towing		Discarded lb of species per 100 lb of retained groundfish		Percent of species discarded from total catch of species	
					lb/hr	se	ratio	se	%	se
2005	North	0-74.9	1-2	132	0.0000		0.0000			
			3	514	0.0000		0.0000			
			4	398	0.0000		0.0000			
			5	104	0.0000		0.0000			
		75-149.9	1-2	123	0.0000		0.0000			
			3	154	0.0000		0.0000			
			4	319	0.0000		0.0000			
			5-6	86	0.0000		0.0000			
		>150	1	301	0.0000		0.0000			
			2	303	0.0000		0.0000			
			3	234	0.0000		0.0000			
			4	115	0.0000		0.0000			
			5	112	0.0000		0.0000			
			6	113	0.0000		0.0000			
	South	0-74.9	1-6	79	0.2756	0.1287	0.0563	0.0264	100.000%	
		75-149.9	1-6	27	2.7595	0.6029	0.8772	0.2295	100.000%	
		>150	1	61	0.0000		0.0000			
			2	109	0.0000		0.0000			
			3	39	0.0498	0.0510	0.0055	0.0053	100.000%	
			4	92	0.0697	0.0623	0.0125	0.0111	100.000%	
			5	34	0.0000		0.0000			
			6	32	0.0000		0.0000			
January - April 2006	North									
		0-74.9	1-2	150	0.0000		0.0000			
		> 150	1	276	0.0000		0.0000		0.000%	
			2	220	0.0000		0.0000			
	South	>150	1	35	0.0000		0.0000			
			2	6	0.0000		0.0000			

Table 6 (cont.). Ratio estimate and standard error for the discarded pounds of 35 selected species or species groups by area, depth, and two-month period from January 1, 2005 to April 30, 2006 in observed groundfish tows. Periods have been combined in order to have sufficient data for estimation. Combinations of area and depth with insufficient data have been omitted. Standard errors cannot be calculated when there is only one tow in a category. Where quantities could not be estimated, cells were left blank.

D. Widow Rockfish

Year	Area	Depth (fm)	Period	Number of tows	Discarded lb of species per hour of towing		Discarded lb of species per 100 lb of retained groundfish		Percent of species discarded from total catch of species	
					lb/hr	se	ratio	se	%	se
2005	North	0-74.9	1-2	132	0.0000		0.0000		0.00%	
			3	514	0.0019	0.0019	0.0003	0.0003	100.00%	
			4	398	0.0021	0.0021	0.0003	0.0003	81.16%	17.41%
			5	104	0.0000		0.0000			
		75-149.9	1-2	123	0.0096	0.0096	0.0015	0.0015	72.88%	21.54%
			3	154	0.0219	0.0138	0.0017	0.0011	100.00%	
			4	319	0.2231	0.2227	0.0193	0.0193	99.67%	0.41%
			5-6	86	5.4009	5.3883	0.3965	0.4026	99.82%	0.20%
		>150	1	301	0.3254	0.2273	0.0354	0.0248	90.90%	10.10%
			2	303	0.0129	0.0061	0.0012	0.0006	11.03%	6.00%
			3	234	0.0145	0.0098	0.0031	0.0021	90.44%	5.85%
			4	115	0.0000		0.0000			
			5	112	0.0000		0.0000		0.00%	
			6	113	0.0000		0.0000		0.00%	
	South	0-74.9	1-6	79	0.0727	0.0461	0.0149	0.0093	100.000%	
		75-149.9	1-6	27	0.0000		0.0000			
		>150	1	61	0.0000		0.0000			
			2	109	0.0000		0.0000			
			3	39	0.3862	0.3950	0.0426	0.0413	100.000%	
			4	92	0.0000		0.0000			
			5	34	0.0000		0.0000			
			6	32	0.0000		0.0000			
January - April 2006	North									
		0-74.9	1-2	150	0.0109	0.0109	0.0029	0.0029	100.000%	
		> 150	1	276	0.0304	0.0215	0.0038	0.0027	70.814%	17.054%
			2	220	0.0107	0.0074	0.0013	0.0009	100.000%	
	South	>150	1	35	0.0000		0.0000			
			2	6	0.0000		0.0000			

Table 6 (cont.). Ratio estimate and standard error for the discarded pounds of 35 selected species or species groups by area, depth, and two-month period from January 1, 2005 to April 30, 2006 in observed groundfish tows. Periods have been combined in order to have sufficient data for estimation. Combinations of area and depth with insufficient data have been omitted. Standard errors cannot be calculated when there is only one tow in a category. Where quantities could not be estimated, cells were left blank.

E. Yelloweye Rockfish

Year	Area	Depth (fm)	Period	Number of tows	Discarded lb of species per hour of towing		Discarded lb of species per 100 lb of retained groundfish		Percent of species discarded from total catch of species	
					lb/hr	se	ratio	se	%	se
2005	North	0-74.9	1-2	132	0.0018	0.0018	0.0003	0.0003	100.00%	
			3	514	0.0045	0.0033	0.0007	0.0006	65.08%	17.64%
			4	398	0.0983	0.0634	0.0139	0.0090	50.56%	19.68%
			5	104	0.0231	0.0232	0.0022	0.0022	100.00%	
		75-149.9	1-2	123	0.0223	0.0158	0.0035	0.0025	100.00%	
			3	154	0.1145	0.0771	0.0089	0.0061	99.76%	0.29%
			4	319	0.1537	0.0723	0.0133	0.0063	75.58%	10.71%
			5-6	86	0.1113	0.1113	0.0082	0.0080	100.00%	
		>150	1	301	0.0331	0.0303	0.0036	0.0033	100.00%	
			2	303	0.0000		0.0000			
			3	234	0.0000		0.0000			
			4	115	0.0000		0.0000			
			5	112	0.0098	0.0099	0.0017	0.0017	100.00%	
			6	113	0.0000		0.0000			
	South	0-74.9	1-6	79	0.0000		0.0000			
		75-149.9	1-6	27	0.0000		0.0000			
		>150	1	61	0.0000		0.0000			
			2	109	0.0000		0.0000			
			3	39	0.0000		0.0000			
			4	92	0.0000		0.0000			
			5	34	0.0000		0.0000			
			6	32	0.0000		0.0000			
January - April 2006	North									
		0-74.9	1-2	150	0.0000		0.0000			
		> 150	1	276	0.0041	0.0041	0.0005	0.0005	100.000%	
			2	220	0.0000		0.0000			
	South	>150	1	35	0.0000		0.0000			
			2	6	0.0000		0.0000			

Table 6 (cont.). Ratio estimate and standard error for the discarded pounds of 35 selected species or species groups by area, depth, and two-month period from January 1, 2005 to April 30, 2006 in observed groundfish tows. Periods have been combined in order to have sufficient data for estimation. Combinations of area and depth with insufficient data have been omitted. Standard errors cannot be calculated when there is only one tow in a category. Where quantities could not be estimated, cells were left blank.

F. Darkblotched Rockfish

Year	Area	Depth (fm)	Period	Number of tows	Discarded lb of species per hour of towing		Discarded lb of species per 100 lb of retained groundfish		Percent of species discarded from total catch of species	
					lb/hr	se	ratio	se	%	se
2005	North	0-74.9	1-2	132	0.0319	0.0127	0.0059	0.0024	100.00%	
			3	514	0.1175	0.0276	0.0197	0.0046	23.81%	7.03%
			4	398	0.6201	0.3461	0.0874	0.0490	75.66%	12.75%
			5	104	0.3117	0.1891	0.0300	0.0184	48.77%	16.41%
		75-149.9	1-2	123	1.6873	0.7838	0.2625	0.1249	69.38%	18.95%
			3	154	1.4809	0.6059	0.1157	0.0494	62.76%	12.21%
			4	319	1.8502	0.8554	0.1604	0.0737	22.90%	13.27%
			5-6	86	0.4983	0.1433	0.0366	0.0102	28.44%	9.98%
		>150	1	301	5.3097	1.3359	0.5785	0.1475	40.01%	6.64%
			2	303	0.2555	0.0787	0.0247	0.0077	5.14%	1.64%
			3	234	0.0410	0.0245	0.0087	0.0052	1.00%	0.60%
			4	115	0.0067	0.0057	0.0014	0.0012	0.15%	0.14%
			5	112	1.2319	1.2421	0.2081	0.2071	13.71%	12.40%
			6	113	0.0981	0.0944	0.0170	0.0164	2.11%	2.05%
	South	0-74.9	1-6	79	0.0000		0.0000		0.000%	
		75-149.9	1-6	27	0.0000		0.0000			
		>150	1	61	0.0000		0.0000			
			2	109	0.0074	0.0074	0.0009	0.0009	0.313%	0.321%
			3	39	2.3488	2.4006	0.2590	0.2511	11.242%	9.104%
			4	92	0.0000		0.0000		0.000%	
			5	34	0.0000		0.0000		0.000%	
			6	32	0.0128	0.0121	0.0023	0.0023	0.134%	0.192%
January - April 2006	North									
		0-74.9	1-2	150	0.0053	0.0035	0.0014	0.0009	100.000%	
		> 150	1	276	20.6710	4.2238	2.5510	0.5404	57.108%	5.676%
			2	220	0.0878	0.0512	0.0107	0.0063	1.568%	0.935%
	South	>150	1	35	0.0423	0.0257	0.0074	0.0046	0.185%	0.118%
			2	6	0.0000		0.0000			

Table 6 (cont.). Ratio estimate and standard error for the discarded pounds of 35 selected species or species groups by area, depth, and two-month period from January 1, 2005 to April 30, 2006 in observed groundfish tows. Periods have been combined in order to have sufficient data for estimation. Combinations of area and depth with insufficient data have been omitted. Standard errors cannot be calculated when there is only one tow in a category. Where quantities could not be estimated, cells were left blank.

G. Pacific Ocean Perch

Year	Area	Depth (fm)	Period	Number of tows	Discarded lb of species per hour of towing		Discarded lb of species per 100 lb of retained groundfish		Percent of species discarded from total catch of species	
					lb/hr	se	ratio	se	%	se
2005	North	0-74.9	1-2	132	0.0000		0.0000		0.00%	
			3	514	0.0012	0.0009	0.0002	0.0001	3.28%	2.62%
			4	398	0.0111	0.0094	0.0016	0.0013	56.23%	22.65%
			5	104	0.0000		0.0000		0.00%	
		75-149.9	1-2	123	0.0005	0.0005	0.0001	0.0001	0.24%	0.25%
			3	154	0.0276	0.0135	0.0022	0.0011	2.58%	1.59%
			4	319	1.9299	1.1739	0.1673	0.1017	28.55%	13.64%
			5-6	86	0.0482	0.0479	0.0035	0.0036	0.81%	0.91%
		>150	1	301	2.4874	1.3039	0.2710	0.1420	31.22%	11.71%
			2	303	0.1655	0.0902	0.0160	0.0088	5.13%	2.64%
			3	234	0.3039	0.2289	0.0648	0.0487	7.11%	5.23%
			4	115	0.0795	0.0558	0.0167	0.0120	5.07%	3.82%
			5	112	0.1237	0.1188	0.0209	0.0198	1.85%	0.94%
			6	113	0.0022	0.0016	0.0004	0.0003	0.06%	0.05%
	South	0-74.9	1-6	79	0.0000		0.0000			
		75-149.9	1-6	27	0.0000		0.0000			
		>150	1	61	0.0000		0.0000			
			2	109	0.0000		0.0000			
			3	39	0.0000		0.0000			
			4	92	0.0000		0.0000			
			5	34	0.0000		0.0000			
			6	32	0.0000		0.0000			
January - April 2006	North									
		0-74.9	1-2	150	0.0000		0.0000		0.000%	
		> 150	1	276	1.6705	0.3318	0.2062	0.0421	19.541%	4.393%
			2	220	0.0000		0.0000		0.000%	
	South	>150	1	35	0.0000		0.0000			
			2	6	0.0000		0.0000			

Table 6 (cont.). Ratio estimate and standard error for the discarded pounds of 35 selected species or species groups by area, depth, and two-month period from January 1, 2005 to April 30, 2006 in observed groundfish tows. Periods have been combined in order to have sufficient data for estimation. Combinations of area and depth with insufficient data have been omitted. Standard errors cannot be calculated when there is only one tow in a category. Where quantities could not be estimated, cells were left blank.

H. Lingcod

Year	Area	Depth (fm)	Period	Number of tows	Discarded lb of species per hour of towing		Discarded lb of species per 100 lb of retained groundfish		Percent of species discarded from total catch of species	
					lb/hr	se	ratio	se	%	se
2005	North	0-74.9	1-2	132	3.1977	1.0230	0.5951	0.1993	32.05%	6.51%
			3	514	12.8406	1.7656	2.1528	0.2963	68.38%	4.11%
			4	398	51.3035	5.0590	7.2318	0.7424	88.88%	1.91%
			5	104	62.3169	9.5941	6.0034	1.0394	86.23%	3.39%
		75-149.9	1-2	123	22.8841	3.9431	3.5609	0.6749	87.06%	3.25%
			3	154	64.4222	13.8862	5.0353	1.0784	92.18%	3.17%
			4	319	104.3471	18.7962	9.0464	1.7346	95.74%	1.38%
			5-6	86	25.5280	5.2108	1.8743	0.3586	74.57%	6.57%
		>150	1	301	3.4110	0.4405	0.3716	0.0501	74.50%	4.70%
			2	303	1.0937	0.4573	0.1057	0.0444	45.81%	9.56%
			3	234	0.0231	0.0154	0.0049	0.0033	14.16%	9.06%
			4	115	0.0110	0.0078	0.0023	0.0016	3.08%	2.57%
			5	112	0.2293	0.2312	0.0387	0.0385	100.00%	
			6	113	0.0000		0.0000		0.00%	
	South	0-74.9	1-6	79	28.5163	10.0649	5.8268	2.1669	85.236%	6.283%
		75-149.9	1-6	27	1.8353	0.4748	0.5834	0.1720	41.245%	6.079%
		>150	1	61	0.0488	0.0394	0.0061	0.0051	1.713%	1.470%
			2	109	0.6164	0.3217	0.0711	0.0374	35.633%	20.571%
			3	39	4.5671	3.3946	0.5035	0.3653	57.284%	9.790%
			4	92	4.5490	2.3340	0.8162	0.4172	93.557%	3.452%
			5	34	0.0000		0.0000		0.000%	
			6	32	0.0265	0.0252	0.0048	0.0048	100.000%	
January - April 2006	North									
		0-74.9	1-2	150	6.2029	1.5011	1.6265	0.4203	39.176%	5.500%
		> 150	1	276	1.5069	0.6686	0.1860	0.0815	33.330%	10.124%
			2	220	0.0282	0.0150	0.0035	0.0018	1.803%	0.937%
	South	>150	1	35	0.0000		0.0000		0.000%	
			2	6	0.0000		0.0000			

Table 6 (cont.). Ratio estimate and standard error for the discarded pounds of 35 selected species or species groups by area, depth, and two-month period from January 1, 2005 to April 30, 2006 in observed groundfish tows. Periods have been combined in order to have sufficient data for estimation. Combinations of area and depth with insufficient data have been omitted. Standard errors cannot be calculated when there is only one tow in a category. Where quantities could not be estimated, cells were left blank.

I. Dover sole

Year	Area	Depth (fm)	Period	Number of tows	Discarded lb of species per hour of towing		Discarded lb of species per 100 lb of retained groundfish		Percent of species discarded from total catch of species	
					lb/hr	se	ratio	se	%	se
2005	North	0-74.9	1-2	132	3.6656	0.8668	0.6821	0.1602	10.49%	2.05%
			3	514	18.6906	3.4976	3.1336	0.5968	12.78%	2.23%
			4	398	35.9202	4.2989	5.0633	0.6744	21.96%	2.92%
			5	104	29.3965	6.5093	2.8320	0.6384	7.64%	2.19%
		75-149.9	1-2	123	5.8128	1.0408	0.9045	0.1701	7.13%	1.06%
			3	154	8.5769	1.8030	0.6704	0.1605	3.73%	0.80%
			4	319	50.6574	9.6235	4.3917	0.9019	14.06%	2.56%
			5-6	86	13.6193	2.3798	1.0000	0.1590	3.61%	0.63%
		>150	1	301	18.8760	5.1765	2.0564	0.5599	5.71%	1.48%
			2	303	8.5044	2.7108	0.8219	0.2637	1.28%	0.41%
			3	234	36.0215	6.2400	7.6850	1.3725	15.94%	2.74%
			4	115	55.7225	11.1169	11.7369	2.6483	24.70%	5.11%
			5	112	14.7510	5.1639	2.4923	0.9348	5.57%	2.11%
			6	113	26.8590	7.2167	4.6658	1.2598	8.59%	2.35%
	South	0-74.9	1-6	79	1.5164	0.3195	0.3098	0.0697	100.000%	
		75-149.9	1-6	27	3.7055	1.8194	1.1779	0.5494	100.000%	
		>150	1	61	15.5646	5.4303	1.9500	0.6020	7.551%	2.530%
			2	109	19.0989	6.2972	2.2046	0.7192	5.355%	1.658%
			3	39	0.4417	0.2090	0.0487	0.0246	0.120%	0.063%
			4	92	36.4547	8.7064	6.5405	1.6416	14.209%	3.660%
			5	34	53.4490	16.4424	11.3864	4.4363	18.374%	6.559%
			6	32	1.7756	0.8330	0.3194	0.1567	0.646%	0.340%
January - April 2006	North									
		0-74.9	1-2	150	2.4232	0.8348	0.6354	0.2242	12.490%	2.714%
		> 150	1	276	14.3818	5.7264	1.7748	0.6937	5.912%	2.097%
			2	220	12.5405	3.0245	1.5338	0.3937	2.672%	0.705%
	South	>150	1	35	11.3330	8.1694	1.9927	1.5208	6.057%	4.665%
			2	6	7.6860	4.2374	2.4017	1.3877	100.000%	

Table 6 (cont.). Ratio estimate and standard error for the discarded pounds of 35 selected species or species groups by area, depth, and two-month period from January 1, 2005 to April 30, 2006 in observed groundfish tows. Periods have been combined in order to have sufficient data for estimation. Combinations of area and depth with insufficient data have been omitted. Standard errors cannot be calculated when there is only one tow in a category. Where quantities could not be estimated, cells were left blank.

J. Longspine thornyhead

Year	Area	Depth (fm)	Period	Number of tows	Discarded lb of species per hour of towing		Discarded lb of species per 100 lb of retained groundfish		Percent of species discarded from total catch of species	
					lb/hr	se	ratio	se	%	se
2005	North	0-74.9	1-2	132	0.0000		0.0000			
			3	514	0.0005	0.0005	0.0001	0.0001	100.00%	
			4	398	0.0000		0.0000		0.00%	
			5	104	0.0000		0.0000			
		75-149.9	1-2	123	0.0000		0.0000			
			3	154	0.0006	0.0006	0.0000	0.0000	100.00%	
			4	319	0.0207	0.0139	0.0018	0.0012	9.51%	9.99%
			5-6	86	0.0000		0.0000		0.00%	
		>150	1	301	0.6467	0.2112	0.0705	0.0240	3.91%	1.22%
			2	303	1.6836	0.5498	0.1627	0.0543	11.83%	5.00%
			3	234	3.8731	0.7970	0.8263	0.1805	10.51%	2.28%
			4	115	2.1520	0.7158	0.4533	0.1540	6.27%	1.81%
			5	112	0.3570	0.1228	0.0603	0.0216	1.17%	0.47%
			6	113	1.7319	0.4751	0.3008	0.0856	5.76%	2.03%
	South	0-74.9	1-6	79	0.0000		0.0000			
		75-149.9	1-6	27	0.0000		0.0000			
		>150	1	61	3.8146	1.7594	0.4779	0.2240	5.636%	2.107%
			2	109	4.8086	1.4734	0.5551	0.1705	5.838%	1.966%
			3	39	8.4900	2.5417	0.9360	0.3161	4.605%	1.252%
			4	92	4.2720	1.2599	0.7665	0.2348	4.660%	1.274%
			5	34	10.9605	4.0641	2.3350	0.9219	43.497%	13.668%
			6	32	5.8945	2.1186	1.0604	0.3981	5.883%	2.152%
January - April 2006	North									
		0-74.9	1-2	150	0.0000		0.0000			
		> 150	1	276	1.3571	0.3551	0.1675	0.0447	18.255%	7.365%
			2	220	3.8269	0.7410	0.4681	0.1000	10.376%	1.633%
	South	>150	1	35	3.0792	1.2736	0.5414	0.2415	3.691%	0.998%
			2	6	0.9417	0.4143	0.2943	0.1349	0.711%	0.319%

Table 6 (cont.). Ratio estimate and standard error for the discarded pounds of 35 selected species or species groups by area, depth, and two-month period from January 1, 2005 to April 30, 2006 in observed groundfish tows. Periods have been combined in order to have sufficient data for estimation. Combinations of area and depth with insufficient data have been omitted. Standard errors cannot be calculated when there is only one tow in a category. Where quantities could not be estimated, cells were left blank.

K. Shortspine Thornyhead

Year	Area	Depth (fm)	Period	Number of tows	Discarded lb of species per hour of towing		Discarded lb of species per 100 lb of retained groundfish		Percent of species discarded from total catch of species	
					lb/hr	se	ratio	se	%	se
2005	North	0-74.9	1-2	132	0.0000		0.0000			
			3	514	0.0007	0.0006	0.0001	0.0001	1.06%	0.95%
			4	398	0.0045	0.0038	0.0006	0.0005	0.58%	0.54%
			5	104	0.0432	0.0337	0.0042	0.0033	1.43%	0.48%
		75-149.9	1-2	123	0.0089	0.0088	0.0014	0.0014	6.07%	7.24%
			3	154	0.0288	0.0195	0.0023	0.0016	5.28%	2.70%
			4	319	0.3913	0.1056	0.0339	0.0094	4.21%	1.17%
			5-6	86	0.5351	0.2285	0.0393	0.0156	6.13%	2.42%
		>150	1	301	1.9687	0.2621	0.2145	0.0283	14.79%	2.12%
			2	303	2.9938	0.5024	0.2893	0.0499	10.65%	1.66%
			3	234	4.2037	0.7957	0.8968	0.1633	12.37%	2.11%
			4	115	1.3796	0.4024	0.2906	0.0869	4.46%	1.24%
			5	112	1.2767	0.6051	0.2157	0.1030	3.16%	1.40%
			6	113	1.3409	0.3569	0.2329	0.0594	3.88%	1.00%
	South	0-74.9	1-6	79	0.0014	0.0014	0.0003	0.0003	100.000%	
		75-149.9	1-6	27	0.0000		0.0000			
		>150	1	61	5.0416	2.7695	0.6317	0.3397	26.184%	11.690%
			2	109	3.6377	1.2948	0.4199	0.1487	12.695%	4.505%
			3	39	7.6684	3.2993	0.8454	0.3146	14.435%	4.485%
			4	92	5.7436	1.3339	1.0305	0.2456	16.714%	3.944%
			5	34	6.8964	2.2771	1.4692	0.5501	19.837%	5.543%
			6	32	0.5678	0.4044	0.1021	0.0708	1.736%	1.228%
January - April 2006	North									
		0-74.9	1-2	150	0.0000		0.0000			
		> 150	1	276	3.4016	0.5636	0.4198	0.0715	16.703%	2.609%
			2	220	2.9615	0.6460	0.3622	0.0764	9.257%	1.833%
	South	>150	1	35	11.0808	4.9757	1.9484	0.9317	40.844%	13.668%
			2	6	0.1209	0.1197	0.0378	0.0362	0.278%	0.240%

Table 6 (cont.). Ratio estimate and standard error for the discarded pounds of 35 selected species or species groups by area, depth, and two-month period from January 1, 2005 to April 30, 2006 in observed groundfish tows. Periods have been combined in order to have sufficient data for estimation. Combinations of area and depth with insufficient data have been omitted. Standard errors cannot be calculated when there is only one tow in a category. Where quantities could not be estimated, cells were left blank.

L. Mixed Thornyheads

Year	Area	Depth (fm)	Period	Number of tows	Discarded lb of species per hour of towing		Discarded lb of species per 100 lb of retained groundfish		Percent of species discarded from total catch of species	
					lb/hr	se	ratio	se	%	se
2005	North	0-74.9	1-2	132	0.0000		0.0000			
			3	514	0.0000		0.0000			
			4	398	0.0000		0.0000			
			5	104	0.0000		0.0000			
		75-149.9	1-2	123	0.0000		0.0000			
			3	154	0.0000		0.0000			
			4	319	0.0000		0.0000			
			5-6	86	0.0000		0.0000			
		>150	1	301	2.7157	0.7162	0.2959	0.0819	31.01%	9.95%
			2	303	10.5484	2.3753	1.0195	0.2447	82.07%	4.83%
			3	234	16.4569	3.1712	3.5110	0.7195	94.84%	2.17%
			4	115	8.8440	1.7328	1.8628	0.4169	64.31%	9.23%
			5	112	11.6031	3.5584	1.9604	0.6055	88.27%	6.17%
			6	113	3.9366	1.2465	0.6838	0.2284	21.48%	6.98%
	South	0-74.9	1-6	79	0.0000		0.0000			
		75-149.9	1-6	27	0.0000		0.0000			
		>150	1	61	0.0627	0.0356	0.0079	0.0044	5.189%	3.166%
			2	109	5.9986	3.8632	0.6924	0.4596	100.000%	
			3	39	0.0000		0.0000			
			4	92	7.9756	2.6405	1.4309	0.4609	78.332%	15.481%
			5	34	0.0000		0.0000		0.000%	
			6	32	11.6322	9.5652	2.0926	1.7685	100.000%	
January - April 2006	North									
		0-74.9	1-2	150	0.0000		0.0000			
		> 150	1	276	6.9713	2.0597	0.8603	0.2620	84.439%	6.928%
			2	220	5.2321	1.0490	0.6399	0.1428	100.000%	
	South	>150	1	35	0.2382	0.2394	0.0419	0.0424	100.000%	
			2	6	34.6372	6.2442	10.8233	2.5790	100.000%	

Table 6 (cont.). Ratio estimate and standard error for the discarded pounds of 35 selected species or species groups by area, depth, and two-month period from January 1, 2005 to April 30, 2006 in observed groundfish tows. Periods have been combined in order to have sufficient data for estimation. Combinations of area and depth with insufficient data have been omitted. Standard errors cannot be calculated when there is only one tow in a category. Where quantities could not be estimated, cells were left blank.

M. Sablefish

Year	Area	Depth (fm)	Period	Number of tows	Discarded lb of species per hour of towing		Discarded lb of species per 100 lb of retained groundfish		Percent of species discarded from total catch of species	
					lb/hr	se	ratio	se	%	se
2005	North	0-74.9	1-2	132	1.1942	0.2568	0.2222	0.0513	97.04%	2.11%
			3	514	7.1434	1.1553	1.1976	0.1899	64.58%	6.30%
			4	398	23.9648	5.8668	3.3781	0.8401	38.09%	9.25%
			5	104	21.3751	6.4533	2.0592	0.6056	57.72%	7.86%
		75-149.9	1-2	123	46.4058	13.0104	7.2210	1.9975	74.90%	8.95%
			3	154	32.8702	18.1271	2.5691	1.4424	37.75%	12.72%
			4	319	8.7343	1.5320	0.7572	0.1392	6.18%	1.31%
			5-6	86	64.6653	24.4640	4.7479	1.7735	22.52%	6.95%
		>150	1	301	21.9514	1.9108	2.3915	0.2300	34.08%	2.53%
			2	303	20.7107	3.4945	2.0016	0.3627	14.73%	2.45%
			3	234	12.5865	3.1667	2.6853	0.6983	9.72%	2.33%
			4	115	24.1002	5.2500	5.0762	1.1303	16.75%	3.83%
			5	112	6.8482	1.7954	1.1571	0.3086	3.67%	0.97%
			6	113	36.2104	22.1636	6.2902	3.7781	20.11%	8.91%
	South	0-74.9	1-6	79	8.1559	1.5794	1.6665	0.3169	30.393%	16.597%
		75-149.9	1-6	27	6.4646	1.5539	2.0550	0.4844	23.939%	5.670%
		>150	1	61	16.2625	8.3827	2.0375	1.0209	13.788%	5.663%
			2	109	36.1702	7.4441	4.1752	0.8116	21.907%	3.891%
			3	39	11.1943	4.3070	1.2341	0.4033	7.930%	2.593%
			4	92	16.6520	4.5963	2.9876	0.7926	12.812%	3.573%
			5	34	42.6205	8.6933	9.0796	2.1725	25.719%	4.320%
			6	32	22.9567	5.5633	4.1299	1.0812	20.061%	5.222%
January - April 2006	North									
		0-74.9	1-2	150	0.6293	0.5475	0.1650	0.1446	87.078%	10.343%
		> 150	1	276	21.9635	2.3661	2.7105	0.3132	23.752%	2.336%
			2	220	20.4244	3.2671	2.4980	0.4069	14.012%	2.109%
	South	>150	1	35	9.4099	4.9474	1.6546	0.9376	11.748%	6.128%
			2	6	5.5716	5.4629	1.7410	1.6415	4.762%	4.918%

Table 6 (cont.). Ratio estimate and standard error for the discarded pounds of 35 selected species or species groups by area, depth, and two-month period from January 1, 2005 to April 30, 2006 in observed groundfish tows. Periods have been combined in order to have sufficient data for estimation. Combinations of area and depth with insufficient data have been omitted. Standard errors cannot be calculated when there is only one tow in a category. Where quantities could not be estimated, cells were left blank.

N. Pacific Hake

Year	Area	Depth (fm)	Period	Number of tows	Discarded lb of species per hour of towing		Discarded lb of species per 100 lb of retained groundfish		Percent of species discarded from total catch of species	
					lb/hr	se	ratio	se	%	se
2005	North	0-74.9	1-2	132	0.3467	0.0823	0.0645	0.0151	100.00%	
			3	514	39.4978	3.7769	6.6221	0.7040	100.00%	
			4	398	25.3984	3.8343	3.5802	0.5727	100.00%	
			5	104	59.9577	13.0282	5.7761	1.3590	100.00%	
		75-149.9	1-2	123	1.8111	0.3378	0.2818	0.0533	100.00%	
			3	154	9.8622	3.4168	0.7708	0.2795	100.00%	
			4	319	1.9540	0.3651	0.1694	0.0331	100.00%	
			5-6	86	11.7414	2.6868	0.8621	0.1988	100.00%	
		>150	1	301	63.8276	8.4021	6.9536	0.9389	100.00%	
			2	303	27.6464	5.3723	2.6719	0.5241	100.00%	
			3	234	4.3247	0.6012	0.9226	0.1326	100.00%	
			4	115	14.0187	2.7936	2.9528	0.5574	100.00%	
			5	112	44.6556	7.3784	7.5449	1.2929	100.00%	
			6	113	57.4695	9.4703	9.9832	1.4791	100.00%	
	South	0-74.9	1-6	79	47.5320	9.5722	9.7123	1.8851	100.000%	
		75-149.9	1-6	27	77.7671	18.5282	24.7208	5.9515	100.000%	
		>150	1	61	81.8768	11.2566	10.2581	1.6440	100.000%	
			2	109	56.8917	9.5906	6.5671	1.1443	100.000%	
			3	39	10.9736	4.6355	1.2098	0.4771	100.000%	
			4	92	11.4854	4.4103	2.0607	0.7673	100.000%	
			5	34	27.4835	6.5102	5.8549	1.6752	100.000%	
			6	32	18.4245	7.7818	3.3146	1.2597	100.000%	
January - April 2006	North									
		0-74.9	1-2	150	1.6154	1.2914	0.4236	0.3394	100.000%	
		> 150	1	276	74.6309	8.8071	9.2102	1.1528	100.000%	
			2	220	13.7879	2.2890	1.6863	0.2801	100.000%	
	South	>150	1	35	40.5251	10.3803	7.1257	1.6965	100.000%	
			2	6	0.0000		0.0000			

Table 6 (cont.). Ratio estimate and standard error for the discarded pounds of 35 selected species or species groups by area, depth, and two-month period from January 1, 2005 to April 30, 2006 in observed groundfish tows. Periods have been combined in order to have sufficient data for estimation. Combinations of area and depth with insufficient data have been omitted. Standard errors cannot be calculated when there is only one tow in a category. Where quantities could not be estimated, cells were left blank.

O. Arrowtooth Flounder

Year	Area	Depth (fm)	Period	Number of tows	Discarded lb of species per hour of towing		Discarded lb of species per 100 lb of retained groundfish		Percent of species discarded from total catch of species	
					lb/hr	se	ratio	se	%	se
2005	North	0-74.9	1-2	132	9.5398	2.3269	1.7753	0.4378	68.42%	8.20%
			3	514	23.0060	2.4634	3.8571	0.4193	36.11%	5.05%
			4	398	245.3276	40.5673	34.5815	5.8513	60.97%	5.34%
			5	104	143.9716	40.0094	13.8697	3.7762	51.80%	11.62%
		75-149.9	1-2	123	61.9072	10.9963	9.6331	1.7833	47.43%	6.32%
			3	154	151.1089	25.1902	11.8107	2.3509	23.59%	4.93%
			4	319	622.8424	73.9811	53.9973	7.5775	58.53%	5.11%
			5-6	86	248.9569	105.6285	18.2790	7.9573	33.80%	10.87%
		>150	1	301	27.0006	3.2200	2.9415	0.3362	19.02%	2.21%
			2	303	22.4020	3.5020	2.1650	0.3386	18.74%	3.19%
			3	234	4.3783	1.1280	0.9341	0.2425	8.98%	2.81%
			4	115	10.8701	3.6357	2.2896	0.7665	43.11%	9.62%
			5	112	5.6535	3.0395	0.9552	0.5087	16.57%	8.29%
			6	113	2.5694	0.6981	0.4463	0.1191	10.56%	2.92%
	South	0-74.9	1-6	79	0.0079	0.0079	0.0016	0.0016	100.000%	
		75-149.9	1-6	27	0.0000		0.0000			
		>150	1	61	1.2628	1.0083	0.1582	0.1248	25.500%	17.016%
			2	109	10.1834	1.9803	1.1755	0.2363	100.000%	
			3	39	0.6173	0.2296	0.0681	0.0227	9.414%	5.928%
			4	92	2.0155	1.0774	0.3616	0.1943	100.000%	
			5	34	4.9129	1.8268	1.0466	0.3498	100.000%	
			6	32	0.0000		0.0000			
January - April 2006	North									
		0-74.9	1-2	150	12.6086	3.8797	3.3063	1.0460	92.806%	3.047%
		> 150	1	276	22.6648	3.2282	2.7971	0.3838	18.121%	3.251%
			2	220	16.9789	2.6188	2.0766	0.3270	15.779%	3.300%
	South	>150	1	35	2.1291	0.7284	0.3744	0.1293	57.105%	16.307%
			2	6	0.0000		0.0000			

Table 6 (cont.). Ratio estimate and standard error for the discarded pounds of 35 selected species or species groups by area, depth, and two-month period from January 1, 2005 to April 30, 2006 in observed groundfish tows. Periods have been combined in order to have sufficient data for estimation. Combinations of area and depth with insufficient data have been omitted. Standard errors cannot be calculated when there is only one tow in a category. Where quantities could not be estimated, cells were left blank.

P. English Sole

Year	Area	Depth (fm)	Period	Number of tows	Discarded lb of species per hour of towing		Discarded lb of species per 100 lb of retained groundfish		Percent of species discarded from total catch of species	
					lb/hr	se	ratio	se	%	se
2005	North	0-74.9	1-2	132	23.6641	3.5063	4.4037	0.6211	17.81%	2.09%
			3	514	15.1774	1.5047	2.5446	0.2688	23.22%	2.26%
			4	398	30.7818	4.1599	4.3390	0.5897	32.31%	3.20%
			5	104	45.5908	13.0408	4.3921	1.3464	36.89%	7.11%
		75-149.9	1-2	123	13.9645	2.9103	2.1730	0.4342	12.63%	2.20%
			3	154	7.7360	1.4876	0.6046	0.1315	10.35%	1.64%
			4	319	19.2678	5.3562	1.6704	0.4742	25.74%	5.25%
			5-6	86	11.1479	6.2274	0.8185	0.4313	13.57%	3.86%
		>150	1	301	12.5338	4.5891	1.3655	0.5063	22.51%	6.66%
			2	303	0.7122	0.3241	0.0688	0.0315	24.74%	9.66%
			3	234	0.0323	0.0132	0.0069	0.0029	10.45%	5.25%
			4	115	0.0050	0.0047	0.0011	0.0010	1.17%	1.10%
			5	112	0.0000		0.0000		0.00%	
			6	113	0.0084	0.0061	0.0015	0.0011	0.52%	0.42%
	South	0-74.9	1-6	79	43.9042	6.0765	8.9710	0.9097	50.076%	2.969%
		75-149.9	1-6	27	33.7823	14.6605	10.7388	4.4150	78.313%	7.206%
		>150	1	61	1.0034	0.5585	0.1257	0.0710	8.430%	4.442%
			2	109	0.1935	0.1612	0.0223	0.0186	1.653%	1.375%
			3	39	0.0000		0.0000		0.000%	
			4	92	0.5263	0.2700	0.0944	0.0472	20.109%	8.173%
			5	34	0.0000		0.0000		0.000%	
			6	32	0.0000		0.0000			
January - April 2006	North									
		0-74.9	1-2	150	15.5333	1.8612	4.0732	0.5342	19.433%	2.016%
		> 150	1	276	0.1278	0.0413	0.0158	0.0052	0.587%	0.195%
			2	220	0.2892	0.1523	0.0354	0.0185	1.996%	0.499%
	South	>150	1	35	0.0308	0.0187	0.0054	0.0033	1.001%	0.717%
			2	6	0.0000		0.0000			

Table 6 (cont.). Ratio estimate and standard error for the discarded pounds of 35 selected species or species groups by area, depth, and two-month period from January 1, 2005 to April 30, 2006 in observed groundfish tows. Periods have been combined in order to have sufficient data for estimation. Combinations of area and depth with insufficient data have been omitted. Standard errors cannot be calculated when there is only one tow in a category. Where quantities could not be estimated, cells were left blank.

Q. Petrale Sole

Year	Area	Depth (fm)	Period	Number of tows	Discarded lb of species per hour of towing		Discarded lb of species per 100 lb of retained groundfish		Percent of species discarded from total catch of species	
					lb/hr	se	ratio	se	%	se
2005	North	0-74.9	1-2	132	3.8444	0.5615	0.7154	0.1228	3.41%	0.67%
			3	514	2.6720	0.3769	0.4480	0.0633	2.07%	0.28%
			4	398	5.9877	1.6233	0.8440	0.2290	4.14%	1.07%
			5	104	17.0977	10.1571	1.6471	0.9849	5.12%	2.93%
		75-149.9	1-2	123	14.5472	2.8232	2.2636	0.4186	7.44%	1.08%
			3	154	1.8606	0.4420	0.1454	0.0379	1.68%	0.44%
			4	319	3.6200	0.8047	0.3138	0.0726	4.95%	1.09%
			5-6	86	3.8057	2.4947	0.2794	0.1756	3.37%	1.19%
		>150	1	301	0.4870	0.1304	0.0531	0.0145	0.16%	0.04%
			2	303	0.7541	0.3368	0.0729	0.0327	1.11%	0.49%
			3	234	0.0058	0.0051	0.0012	0.0011	7.10%	5.97%
			4	115	0.0083	0.0083	0.0017	0.0018	3.08%	3.26%
			5	112	0.0000		0.0000		0.00%	
			6	113	2.5695	2.0907	0.4464	0.3621	25.82%	18.12%
	South	0-74.9	1-6	79	3.0975	0.9438	0.6329	0.1723	1.115%	0.288%
		75-149.9	1-6	27	1.6756	0.6761	0.5326	0.2125	0.689%	0.285%
		>150	1	61	0.3296	0.2123	0.0413	0.0265	0.279%	0.179%
			2	109	0.0353	0.0323	0.0041	0.0037	0.048%	0.043%
			3	39	0.0842	0.0861	0.0093	0.0090	9.301%	8.722%
			4	92	0.0285	0.0288	0.0051	0.0051	0.602%	0.612%
			5	34	0.0024	0.0025	0.0005	0.0005	100.000%	
			6	32	0.3582	0.3282	0.0644	0.0627	59.754%	29.823%
January - April 2006	North									
		0-74.9	1-2	150	4.9083	1.3018	1.2871	0.3595	4.829%	1.235%
		> 150	1	276	4.3908	1.3391	0.5419	0.1684	1.476%	0.448%
			2	220	0.3041	0.2558	0.0372	0.0313	1.017%	0.841%
	South	>150	1	35	0.0714	0.0281	0.0126	0.0049	0.116%	0.031%
			2	6	0.0000		0.0000			

Table 6 (cont.). Ratio estimate and standard error for the discarded pounds of 35 selected species or species groups by area, depth, and two-month period from January 1, 2005 to April 30, 2006 in observed groundfish tows. Periods have been combined in order to have sufficient data for estimation. Combinations of area and depth with insufficient data have been omitted. Standard errors cannot be calculated when there is only one tow in a category. Where quantities could not be estimated, cells were left blank.

R. Starry Flounder

Year	Area	Depth (fm)	Period	Number of tows	Discarded lb of species per hour of towing		Discarded lb of species per 100 lb of retained groundfish		Percent of species discarded from total catch of species	
					lb/hr	se	ratio	se	%	se
2005	North	0-74.9	1-2	132	0.0000		0.0000		0.00%	
			3	514	0.0571	0.0169	0.0096	0.0028	3.73%	0.83%
			4	398	0.0389	0.0257	0.0055	0.0036	7.22%	3.26%
			5	104	0.0000		0.0000		0.00%	
		75-149.9	1-2	123	0.0000		0.0000		0.00%	
			3	154	0.0000		0.0000			
			4	319	0.0000		0.0000		0.00%	
			5-6	86	0.0000		0.0000		0.00%	
		>150	1	301	0.0000		0.0000			
			2	303	0.0000		0.0000		0.00%	
			3	234	0.0000		0.0000			
			4	115	0.0000		0.0000		0.00%	
			5	112	0.0000		0.0000			
			6	113	0.0000		0.0000			
	South	0-74.9	1-6	79	0.0841	0.0452	0.0172	0.0096	14.738%	3.836%
		75-149.9	1-6	27	0.0000		0.0000			
		>150	1	61	0.0000		0.0000			
			2	109	0.0000		0.0000			
			3	39	0.0000		0.0000			
			4	92	0.0000		0.0000			
			5	34	0.0000		0.0000			
			6	32	0.0000		0.0000			
January - April 2006	North									
		0-74.9	1-2	150	0.0019	0.0019	0.0005	0.0005	1.079%	1.096%
		> 150	1	276	0.0000		0.0000			
			2	220	0.0000		0.0000			
	South	>150			0.0000		0.0000			
			1	35	0.0000		0.0000			
			2	6	0.0000		0.0000			

Table 6 (cont.). Ratio estimate and standard error for the discarded pounds of 35 selected species or species groups by area, depth, and two-month period from January 1, 2005 to April 30, 2006 in observed groundfish tows. Periods have been combined in order to have sufficient data for estimation. Combinations of area and depth with insufficient data have been omitted. Standard errors cannot be calculated when there is only one tow in a category. Where quantities could not be estimated, cells were left blank.

S. Other Flatfish

Year	Area	Depth (fm)	Period	Number of tows	Discarded lb of species per hour of towing		Discarded lb of species per 100 lb of retained groundfish		Percent of species discarded from total catch of species	
					lb/hr	se	ratio	se	%	se
2005	North	0-74.9	1-2	132	26.3977	3.7959	4.9125	0.6432	20.43%	2.38%
			3	514	67.0648	6.0418	11.2439	1.0970	44.59%	2.34%
			4	398	74.0299	6.7330	10.4353	1.0489	51.36%	2.74%
			5	104	77.5050	13.4534	7.4666	1.4547	62.51%	5.04%
		75-149.9	1-2	123	26.2584	3.3935	4.0859	0.5253	43.18%	5.66%
			3	154	31.3133	13.0062	2.4475	1.0673	62.79%	10.44%
			4	319	45.0661	5.2464	3.9070	0.5150	64.74%	3.60%
			5-6	86	53.1614	10.1070	3.9032	0.7776	60.24%	8.58%
		>150	1	301	7.8818	2.6008	0.8587	0.2862	20.40%	5.37%
			2	303	3.9756	0.9264	0.3842	0.0945	19.14%	3.72%
			3	234	3.2125	0.4840	0.6854	0.1128	16.05%	2.65%
			4	115	2.3003	0.3418	0.4845	0.0865	10.41%	1.87%
			5	112	1.5832	0.2444	0.2675	0.0479	6.60%	1.63%
			6	113	1.5143	0.3886	0.2631	0.0680	11.52%	3.23%
	South	0-74.9	1-6	79	86.4732	13.0687	17.6692	2.5083	45.860%	3.793%
		75-149.9	1-6	27	49.9635	29.5742	15.8825	9.0154	68.563%	12.109%
		>150	1	61	9.4132	2.1963	1.1794	0.2884	14.035%	2.856%
			2	109	6.0136	1.1980	0.6942	0.1510	7.175%	1.761%
			3	39	2.2192	0.4637	0.2447	0.0544	22.584%	10.023%
			4	92	4.2988	0.8660	0.7713	0.1669	31.039%	7.240%
			5	34	12.5621	3.8511	2.6762	1.0072	71.015%	11.399%
			6	32	3.2556	0.9626	0.5857	0.1904	15.048%	8.094%
January - April 2006	North	0-74.9	1-2	150	30.3619	10.7050	7.9616	2.8954	29.662%	7.698%
			> 150	276	7.4046	2.1735	0.9138	0.2751	19.072%	5.562%
		> 150	2	220	3.3134	0.6262	0.4052	0.0806	14.384%	2.953%
	South	>150	1	35	1.8943	0.6078	0.3331	0.1261	6.366%	2.930%
			2	6	5.0073	1.2875	1.5647	0.4050	100.000%	

Table 6 (cont.). Ratio estimate and standard error for the discarded pounds of 35 selected species or species groups by area, depth, and two-month period from January 1, 2005 to April 30, 2006 in observed groundfish tows. Periods have been combined in order to have sufficient data for estimation. Combinations of area and depth with insufficient data have been omitted. Standard errors cannot be calculated when there is only one tow in a category. Where quantities could not be estimated, cells were left blank.

T. Blackgill Rockfish

Year	Area	Depth (fm)	Period	Number of tows	Discarded lb of species per hour of towing		Discarded lb of species per 100 lb of retained groundfish		Percent of species discarded from total catch of species	
					lb/hr	se	ratio	se	%	se
2005	North	0-74.9	1-2	132	0.0000		0.0000			
			3	514	0.0000		0.0000			
			4	398	0.0000		0.0000			
			5	104	0.0000		0.0000			
		75-149.9	1-2	123	0.0000		0.0000			
			3	154	0.0000		0.0000			
			4	319	0.0000		0.0000			
			5-6	86	0.0000		0.0000			
		>150	1	301	0.0997	0.0291	0.0109	0.0033	100.00%	
			2	303	0.0000		0.0000		0.00%	
			3	234	0.0000		0.0000			
			4	115	0.0036	0.0023	0.0008	0.0005	68.77%	25.50%
			5	112	0.1517	0.1475	0.0256	0.0246	94.90%	6.36%
			6	113	0.0000		0.0000			
	South	0-74.9	1-6	79	0.0000		0.0000			
		75-149.9	1-6	27	0.0000		0.0000			
		>150	1	61	0.0921	0.0649	0.0115	0.0081	100.000%	
			2	109	0.0055	0.0029	0.0006	0.0003	65.060%	25.738%
			3	39	0.0000		0.0000		0.000%	
			4	92	0.0000		0.0000		0.000%	
			5	34	0.0322	0.0316	0.0069	0.0067	100.000%	
			6	32	2.3073	1.7454	0.4151	0.3374	100.000%	
January - April 2006	North									
		0-74.9	1-2	150	0.0000		0.0000			
		> 150	1	276	0.0899	0.0416	0.0111	0.0051	100.000%	
			2	220	0.1807	0.1313	0.0221	0.0160	98.169%	2.226%
	South	>150	1	35	0.0000		0.0000		0.000%	
			2	6	0.0000		0.0000			

Table 6 (cont.). Ratio estimate and standard error for the discarded pounds of 35 selected species or species groups by area, depth, and two-month period from January 1, 2005 to April 30, 2006 in observed groundfish tows. Periods have been combined in order to have sufficient data for estimation. Combinations of area and depth with insufficient data have been omitted. Standard errors cannot be calculated when there is only one tow in a category. Where quantities could not be estimated, cells were left blank.

U. Other slope Rockfish

Year	Area	Depth (fm)	Period	Number of tows	Discarded lb of species per hour of towing		Discarded lb of species per 100 lb of retained groundfish		Percent of species discarded from total catch of species	
					lb/hr	se	ratio	se	%	se
2005	North	0-74.9	1-2	132	0.0281	0.0282	0.0052	0.0052	100.00%	
			3	514	0.0305	0.0184	0.0051	0.0031	100.00%	
			4	398	0.8554	0.4915	0.1206	0.0692	99.36%	0.45%
			5	104	0.1783	0.1198	0.0172	0.0117	100.00%	
		75-149.9	1-2	123	0.8628	0.5333	0.1343	0.0827	100.00%	
			3	154	0.6939	0.2979	0.0542	0.0240	100.00%	
			4	319	1.9641	1.0794	0.1703	0.0934	99.68%	0.25%
			5-6	86	1.1858	0.6575	0.0871	0.0479	100.00%	
		>150	1	301	6.0028	0.9423	0.6540	0.1026	100.00%	
			2	303	1.2304	0.2716	0.1189	0.0268	99.95%	0.05%
			3	234	1.0119	0.3436	0.2159	0.0696	100.00%	
			4	115	0.4018	0.0929	0.0846	0.0192	96.29%	2.70%
			5	112	0.7276	0.2501	0.1229	0.0425	100.00%	
			6	113	1.6683	0.6085	0.2898	0.1063	100.00%	
	South	0-74.9	1-6	79	0.0923	0.0778	0.0189	0.0161	100.000%	
		75-149.9	1-6	27	0.0000		0.0000			
		>150	1	61	43.9440	18.2576	5.5056	2.2320	35.479%	13.604%
			2	109	14.3522	8.3803	1.6567	0.9739	30.263%	12.319%
			3	39	3.4499	2.1478	0.3803	0.2240	13.854%	12.534%
			4	92	30.3733	19.7470	5.4494	3.4449	65.909%	7.703%
			5	34	35.2764	14.8798	7.5151	3.5306	87.849%	6.236%
			6	32	3.3903	2.0835	0.6099	0.3530	82.791%	11.479%
January - April 2006	North									
		0-74.9	1-2	150	0.0000		0.0000			
		> 150	1	276	9.7671	1.5290	1.2054	0.1968	100.000%	
			2	220	1.9340	0.6031	0.2365	0.0707	100.000%	
	South	>150	1	35	5.8854	2.7896	1.0349	0.4617	16.151%	8.408%
			2	6	0.0000		0.0000			

Table 6 (cont.). Ratio estimate and standard error for the discarded pounds of 35 selected species or species groups by area, depth, and two-month period from January 1, 2005 to April 30, 2006 in observed groundfish tows. Periods have been combined in order to have sufficient data for estimation. Combinations of area and depth with insufficient data have been omitted. Standard errors cannot be calculated when there is only one tow in a category. Where quantities could not be estimated, cells were left blank.

V. Yellowtail Rockfish

Year	Area	Depth (fm)	Period	Number of tows	Discarded lb of species per hour of towing		Discarded lb of species per 100 lb of retained groundfish		Percent of species discarded from total catch of species	
					lb/hr	se	ratio	se	%	se
2005	North	0-74.9	1-2	132	0.3576	0.3578	0.0666	0.0663	3.63%	3.63%
			3	514	1.8649	0.6912	0.3127	0.1149	46.03%	12.77%
			4	398	4.8231	2.2293	0.6799	0.3168	59.81%	12.07%
			5	104	0.2967	0.2951	0.0286	0.0286	5.18%	5.46%
		75-149.9	1-2	123	16.5827	7.8085	2.5803	1.2250	71.14%	11.13%
			3	154	13.7255	3.7499	1.0728	0.3073	62.92%	10.03%
			4	319	0.7733	0.2689	0.0670	0.0227	26.03%	8.64%
			5-6	86	4.5756	4.1291	0.3359	0.3004	39.69%	23.63%
		>150	1	301	0.1762	0.1700	0.0192	0.0186	88.54%	12.41%
			2	303	0.0000		0.0000			
			3	234	0.0093	0.0068	0.0020	0.0014	87.62%	8.71%
			4	115	0.0000		0.0000			
			5	112	0.0000		0.0000			
			6	113	0.0000		0.0000			
	South	0-74.9	1-6	79	0.3240	0.2319	0.0662	0.0474	20.103%	16.462%
		75-149.9	1-6	27	0.0000		0.0000			
		>150	1	61	0.0000		0.0000			
			2	109	0.0000		0.0000			
			3	39	0.0000		0.0000			
			4	92	0.0000		0.0000			
			5	34	0.0000		0.0000		0.000%	
			6	32	0.0000		0.0000			
January - April 2006	North									
		0-74.9	1-2	150	0.0000		0.0000		0.000%	
		> 150	1	276	0.0000		0.0000			
			2	220	0.0000		0.0000			
	South	>150	1	35	0.0000		0.0000			
			2	6	0.0000		0.0000			

Table 6 (cont.). Ratio estimate and standard error for the discarded pounds of 35 selected species or species groups by area, depth, and two-month period from January 1, 2005 to April 30, 2006 in observed groundfish tows. Periods have been combined in order to have sufficient data for estimation. Combinations of area and depth with insufficient data have been omitted. Standard errors cannot be calculated when there is only one tow in a category. Where quantities could not be estimated, cells were left blank.

W. Other Shelf Rockfish

Year	Area	Depth (fm)	Period	Number of tows	Discarded lb of species per hour of towing		Discarded lb of species per 100 lb of retained groundfish		Percent of species discarded from total catch of species	
					lb/hr	se	ratio	se	%	se
2005	North	0-74.9	1-2	132	0.5493	0.2158	0.1022	0.0413	100.00%	
			3	514	1.0165	0.2544	0.1704	0.0422	99.43%	0.58%
			4	398	5.3437	1.3860	0.7532	0.1945	98.23%	0.73%
			5	104	4.3582	1.3838	0.4199	0.1324	100.00%	
		75-149.9	1-2	123	13.7411	3.5186	2.1382	0.5939	100.00%	
			3	154	14.3030	3.3398	1.1179	0.2869	99.09%	0.56%
			4	319	17.7692	3.0401	1.5405	0.2833	98.39%	0.78%
			5-6	86	14.0964	4.5990	1.0350	0.3252	99.32%	0.70%
		>150	1	301	0.1658	0.0351	0.0181	0.0038	100.00%	
			2	303	0.1750	0.0937	0.0169	0.0091	100.00%	
			3	234	0.1461	0.0520	0.0312	0.0111	100.00%	
			4	115	0.0839	0.0280	0.0177	0.0058	42.29%	19.41%
			5	112	0.1544	0.1026	0.0261	0.0171	100.00%	
			6	113	0.0590	0.0341	0.0103	0.0059	100.00%	
	South	0-74.9	1-6	79	66.0581	14.2312	13.4977	2.8663	92.785%	2.752%
		75-149.9	1-6	27	205.7249	34.5254	65.3964	13.8307	97.184%	1.803%
		>150	1	61	0.8184	0.5304	0.1025	0.0673	100.000%	0.000%
			2	109	0.1866	0.0943	0.0215	0.0111	15.722%	8.507%
			3	39	0.4339	0.2730	0.0478	0.0289	2.065%	1.752%
			4	92	0.5666	0.2901	0.1017	0.0505	4.633%	2.623%
			5	34	0.1112	0.1127	0.0237	0.0240	100.000%	
			6	32	0.0038	0.0036	0.0007	0.0007	100.000%	
January - April 2006	North									
		0-74.9	1-2	150	0.0903	0.0736	0.0237	0.0192	100.000%	
		> 150	1	276	0.1319	0.0521	0.0163	0.0064	100.000%	
			2	220	0.0521	0.0230	0.0064	0.0027	100.000%	
	South	>150	1	35	0.8304	0.4322	0.1460	0.0751	18.598%	10.636%
			2	6	0.0000		0.0000			

Table 6 (cont.). Ratio estimate and standard error for the discarded pounds of 35 selected species or species groups by area, depth, and two-month period from January 1, 2005 to April 30, 2006 in observed groundfish tows. Periods have been combined in order to have sufficient data for estimation. Combinations of area and depth with insufficient data have been omitted. Standard errors cannot be calculated when there is only one tow in a category. Where quantities could not be estimated, cells were left blank.

X. Black Rockfish

Year	Area	Depth (fm)	Period	Number of tows	Discarded lb of species per hour of towing		Discarded lb of species per 100 lb of retained groundfish		Percent of species discarded from total catch of species	
					lb/hr	se	ratio	se	%	se
2005	North	0-74.9	1-2	132	0.0000		0.0000		0.00%	
			3	514	0.0019	0.0019	0.0003	0.0003	69.70%	21.90%
			4	398	0.2726	0.2727	0.0384	0.0386	64.25%	22.53%
			5	104	0.0000		0.0000			
		75-149.9	1-2	123	0.0000		0.0000			
			3	154	0.0000		0.0000			
			4	319	0.0000		0.0000		0.00%	
			5-6	86	0.0000		0.0000			
		>150	1	301	0.0000		0.0000			
			2	303	0.0000		0.0000			
			3	234	0.0000		0.0000			
			4	115	0.0000		0.0000		0.00%	
			5	112	0.0000		0.0000			
			6	113	0.0000		0.0000			
	South	0-74.9	1-6	79	0.0000		0.0000			
		75-149.9	1-6	27	0.0000		0.0000			
		>150	1	61	0.0000		0.0000			
			2	109	0.0000		0.0000			
			3	39	0.0000		0.0000			
			4	92	0.0000		0.0000			
			5	34	0.0000		0.0000			
			6	32	0.0000		0.0000			
January - April 2006	North									
		0-74.9	1-2	150	0.4142	0.4144	0.1086	0.1093	26.401%	18.998%
		> 150	1	276	0.0000		0.0000			
			2	220	0.0000		0.0000			
	South	>150	1	35	0.0000		0.0000			
			2	6	0.0000		0.0000			

Table 6 (cont.). Ratio estimate and standard error for the discarded pounds of 35 selected species or species groups by area, depth, and two-month period from January 1, 2005 to April 30, 2006 in observed groundfish tows. Periods have been combined in order to have sufficient data for estimation. Combinations of area and depth with insufficient data have been omitted. Standard errors cannot be calculated when there is only one tow in a category. Where quantities could not be estimated, cells were left blank.

Y. Other Nearshore Rockfish

Year Area Depth (fm)		Period	Number of tows	Discarded lb of species per hour of towing		Discarded lb of species per 100 lb of retained groundfish		Percent of species discarded from total catch of species		
				lb/hr	se	ratio	se	%	se	
2005	North	0-74.9	1-2	132	0.0000		0.0000			
			3	514	0.0065	0.0065	0.0011	0.0011	100.00%	
			4	398	0.0197	0.0104	0.0028	0.0015	100.00%	
			5	104	0.0120	0.0120	0.0012	0.0012	100.00%	
		75-149.9	1-2	123	0.0000		0.0000			
			3	154	0.0038	0.0038	0.0003	0.0003	100.00%	
			4	319	0.0000					
			5-6	86	0.0000					
		>150	1	301	0.0000		0.0000			
			2	303	0.0000		0.0000			
			3	234	0.0000		0.0000			
			4	115	0.0000		0.0000			
			5	112	0.0000		0.0000			
			6	113	0.0000		0.0000			
	South	0-74.9	1-6	79	0.4929	0.2180	0.1007	0.0423	100.000%	
		75-149.9	1-6	27	1.4687	0.7101	0.4669	0.2248	100.000%	
		>150	1	61	0.2935	0.2864	0.0368	0.0358	100.000%	
			2	109	0.0000		0.0000			
3			39	0.0000		0.0000				
4			92	0.2871	0.2544	0.0515	0.0450	100.000%		
5			34	0.0000		0.0000				
6			32	0.0000		0.0000				
January - April 2006										
North										
	0-74.9	1-2	150	0.0000		0.0000				
	> 150	1	276	0.0000		0.0000				
		2	220	0.0000		0.0000				
	South	>150	1	35	0.0000		0.0000			
			2	6	0.0000		0.0000			

Table 6 (cont.). Ratio estimate and standard error for the discarded pounds of 35 selected species or species groups by area, depth, and two-month period from January 1, 2005 to April 30, 2006 in observed groundfish tows. Periods have been combined in order to have sufficient data for estimation. Combinations of area and depth with insufficient data have been omitted. Standard errors cannot be calculated when there is only one tow in a category. Where quantities could not be estimated, cells were left blank.

Z. Other Roundfish

Year	Area	Depth (fm)	Period	Number of tows	Discarded lb of species per hour of towing		Discarded lb of species per 100 lb of retained groundfish		Percent of species discarded from total catch of species	
					lb/hr	se	ratio	se	%	se
2005	North	0-74.9	1-2	132	0.5045	0.1563	0.0939	0.0293	0.32%	0.09%
			3	514	1.1728	0.4038	0.1966	0.0677	0.80%	0.29%
			4	398	0.6072	0.1585	0.0856	0.0224	0.84%	0.24%
			5	104	2.3538	2.1258	0.2268	0.2051	7.45%	6.53%
		75-149.9	1-2	123	0.4047	0.1291	0.0630	0.0179	0.27%	0.07%
			3	154	1.0631	0.2090	0.0831	0.0170	0.48%	0.11%
			4	319	0.3560	0.1067	0.0309	0.0094	0.73%	0.22%
			5-6	86	0.1421	0.0880	0.0104	0.0062	0.64%	0.43%
		>150	1	301	4.2126	1.1471	0.4589	0.1339	68.08%	6.47%
			2	303	7.5459	3.0329	0.7293	0.3116	77.87%	11.96%
			3	234	12.6307	2.2638	2.6947	0.5311	52.91%	8.32%
			4	115	17.1595	4.2144	3.6143	0.9299	29.51%	4.40%
			5	112	10.0930	5.6845	1.7053	0.9714	81.53%	12.75%
			6	113	11.3696	2.9415	1.9751	0.5575	64.10%	6.27%
	South	0-74.9	1-6	79	0.0367	0.0362	0.0075	0.0070	100.000%	
		75-149.9	1-6	27	0.0000		0.0000			
		>150	1	61	2.0411	0.9748	0.2557	0.1253	92.284%	4.305%
			2	109	3.5862	1.8135	0.4140	0.2174	55.215%	15.209%
			3	39	3.6576	0.7940	0.4032	0.1115	50.321%	21.587%
			4	92	17.6452	5.1693	3.1658	1.0058	56.824%	11.021%
			5	34	0.8278	0.3673	0.1763	0.0839	100.000%	
			6	32	8.2804	3.0016	1.4896	0.5736	32.012%	7.704%
January - April 2006	North									
		0-74.9	1-2	150	4.5266	2.6408	1.1870	0.7058	3.997%	2.470%
		> 150	1	276	3.7740	1.2368	0.4657	0.1570	80.259%	7.644%
			2	220	7.2626	1.3856	0.8883	0.1940	72.037%	6.942%
	South	>150	1	35	5.4030	2.5329	0.9500	0.4788	87.834%	11.607%
			2	6	25.5826	4.8762	7.9939	1.5012	43.070%	13.840%

Table 6 (cont.). Ratio estimate and standard error for the discarded pounds of 35 selected species or species groups by area, depth, and two-month period from January 1, 2005 to April 30, 2006 in observed groundfish tows. Periods have been combined in order to have sufficient data for estimation. Combinations of area and depth with insufficient data have been omitted. Standard errors cannot be calculated when there is only one tow in a category. Where quantities could not be estimated, cells were left blank.

AA. California halibut

Year	Area	Depth (fm)	Period	Number of tows	Discarded lb of species per hour of towing		Discarded lb of species per 100 lb of retained groundfish		Percent of species discarded from total catch of species	
					lb/hr	se	ratio	se	%	se
2005	North	0-74.9	1-2	132	0.0000		0.0000			
			3	514	0.0000		0.0000			
			4	398	0.0000		0.0000			
			5	104	0.0000		0.0000			
		75-149.9	1-2	123	0.0000		0.0000			
			3	154	0.0000		0.0000			
			4	319	0.0000		0.0000			
			5-6	86	0.0000		0.0000			
		>150	1	301	0.0000		0.0000			
			2	303	0.0000		0.0000			
			3	234	0.0000		0.0000			
			4	115	0.0000		0.0000			
			5	112	0.0000		0.0000			
			6	113	0.0000		0.0000			
	South	0-74.9	1-6	79	0.0000		0.0000		0.000%	
		75-149.9	1-6	27	0.0000		0.0000			
		>150	1	61	0.0000		0.0000			
			2	109	0.0000		0.0000			
			3	39	0.0000		0.0000			
			4	92	0.0000		0.0000			
			5	34	0.0000		0.0000			
			6	32	0.0000		0.0000			
January - April 2006	North									
		0-74.9	1-2	150	0.0000		0.0000			
		> 150	1	276	0.0000		0.0000			
			2	220	0.0000		0.0000			
	South	>150	1	35	0.0000		0.0000			
			2	6	0.0000		0.0000			

Table 6 (cont.). Ratio estimate and standard error for the discarded pounds of 35 selected species or species groups by area, depth, and two-month period from January 1, 2005 to April 30, 2006 in observed groundfish tows. Periods have been combined in order to have sufficient data for estimation. Combinations of area and depth with insufficient data have been omitted. Standard errors cannot be calculated when there is only one tow in a category. Where quantities could not be estimated, cells were left blank.

AB. Pacific halibut

Year	Area	Depth (fm)	Period	Number of tows	Discarded lb of species per hour of towing		Discarded lb of species per 100 lb of retained groundfish		Percent of species discarded from total catch of species	
					lb/hr	se	ratio	se	%	se
2005	North	0-74.9	1-2	132	14.4243	2.7469	2.6843	0.5626	100.00%	
			3	514	19.6060	1.6779	3.2871	0.2796	100.00%	
			4	398	53.6442	8.5043	7.5617	1.1989	100.00%	
			5	104	22.9852	6.1998	2.2143	0.5981	100.00%	
		75-149.9	1-2	123	54.8188	7.5478	8.5301	1.0885	100.00%	
			3	154	85.6923	11.5923	6.6977	0.9948	100.00%	
			4	319	60.6814	7.8639	5.2608	0.7744	100.00%	
			5-6	86	16.7919	3.8541	1.2329	0.2914	100.00%	
		>150	1	301	18.7544	7.4454	2.0432	0.8069	100.00%	
			2	303	7.5914	0.9946	0.7337	0.0939	100.00%	
			3	234	1.6312	0.4627	0.3480	0.0985	100.00%	
			4	115	0.8507	0.2408	0.1792	0.0534	100.00%	
			5	112	7.9045	4.9073	1.3355	0.8100	100.00%	
			6	113	1.9657	0.5803	0.3415	0.0953	100.00%	
	South	0-74.9	1-6	79	4.6152	1.0940	0.9430	0.2491	100.000%	
		75-149.9	1-6	27	0.0000		0.0000			
		>150	1	61	0.0669	0.0483	0.0084	0.0062	100.000%	
			2	109	0.0189	0.0189	0.0022	0.0022	100.000%	
			3	39	0.0000		0.0000			
			4	92	0.0000		0.0000			
			5	34	0.0000		0.0000			
			6	32	0.0000		0.0000			
January - April 2006	North									
		0-74.9	1-2	150	32.4451	5.8761	8.5079	1.7608	100.000%	
		> 150	1	276	7.6685	1.8874	0.9464	0.2298	100.000%	
			2	220	5.3243	0.7744	0.6512	0.0836	100.000%	
	South	>150	1	35	0.2771	0.1975	0.0487	0.0341	100.000%	
			2	6	0.0000		0.0000			

Table 6 (cont.). Ratio estimate and standard error for the discarded pounds of 35 selected species or species groups by area, depth, and two-month period from January 1, 2005 to April 30, 2006 in observed groundfish tows. Periods have been combined in order to have sufficient data for estimation. Combinations of area and depth with insufficient data have been omitted. Standard errors cannot be calculated when there is only one tow in a category. Where quantities could not be estimated, cells were left blank.

AC. Chinook Salmon

Year	Area	Depth (fm)	Period	Number of tows	Discarded lb of species per hour of towing		Discarded lb of species per 100 lb of retained groundfish		Percent of species discarded from total catch of species	
					lb/hr	se	ratio	se	%	se
2005	North	0-74.9	1-2	132	0.0062	0.0061	0.0011	0.0011	100.00%	
			3	514	0.0094	0.0067	0.0016	0.0011	100.00%	
			4	398	0.0000		0.0000			
			5	104	0.0000		0.0000			
		75-149.9	1-2	123	0.0869	0.0638	0.0135	0.0101	100.00%	
			3	154	0.0000		0.0000			
			4	319	0.0000		0.0000			
			5-6	86	0.0000		0.0000			
		>150	1	301	0.3670	0.1128	0.0400	0.0124	100.00%	
			2	303	0.0839	0.0443	0.0081	0.0043	100.00%	
			3	234	0.0119	0.0118	0.0025	0.0025	100.00%	
			4	115	0.0000		0.0000			
			5	112	0.0000		0.0000			
			6	113	0.0000		0.0000			
	South	0-74.9	1-6	79	0.0141	0.0141	0.0029	0.0029	100.000%	
		75-149.9	1-6	27	0.0000		0.0000			
		>150	1	61	0.0000		0.0000			
			2	109	0.0000		0.0000			
			3	39	0.0000		0.0000			
			4	92	0.0000		0.0000			
			5	34	0.0000		0.0000			
			6	32	0.0000		0.0000			
January - April 2006	North									
		0-74.9	1-2	150	0.0209	0.0147	0.0055	0.0038	100.000%	
		> 150	1	276	0.0205	0.0108	0.0025	0.0013	100.000%	
			2	220	0.0031	0.0031	0.0004	0.0004	100.000%	
	South	>150	1	35	0.0000		0.0000			
			2	6	0.0000		0.0000			

Table 6 (cont.). Ratio estimate and standard error for the discarded pounds of 35 selected species or species groups by area, depth, and two-month period from January 1, 2005 to April 30, 2006 in observed groundfish tows. Periods have been combined in order to have sufficient data for estimation. Combinations of area and depth with insufficient data have been omitted. Standard errors cannot be calculated when there is only one tow in a category. Where quantities could not be estimated, cells were left blank.

AD. Chum Salmon

Year	Area	Depth (fm)	Period	Number of tows	Discarded lb of species per hour of towing		Discarded lb of species per 100 lb of retained groundfish		Percent of species discarded from total catch of species	
					lb/hr	se	ratio	se	%	se
2005	North	0-74.9	1-2	132	0.0000		0.0000			
			3	514	0.0000		0.0000			
			4	398	0.0000		0.0000			
			5	104	0.0000		0.0000			
		75-149.9	1-2	123	0.0000		0.0000			
			3	154	0.0000		0.0000			
			4	319	0.0000		0.0000			
			5-6	86	0.0000		0.0000			
		>150	1	301	0.0000		0.0000			
			2	303	0.0000		0.0000			
			3	234	0.0000		0.0000			
			4	115	0.0000		0.0000			
			5	112	0.0000		0.0000			
			6	113	0.0000		0.0000			
	South	0-74.9	1-6	79	0.0000		0.0000			
		75-149.9	1-6	27	0.0000		0.0000			
		>150	1	61	0.0000		0.0000			
			2	109	0.0000		0.0000			
			3	39	0.0000		0.0000			
			4	92	0.0000		0.0000			
			5	34	0.0000		0.0000			
			6	32	0.0000		0.0000			
January - April 2006	North									
		0-74.9	1-2	150	0.0000		0.0000			
		> 150	1	276	0.0000		0.0000			
			2	220	0.0000		0.0000			
	South	>150	1	35	0.0000		0.0000			
			2	6	0.0000		0.0000			

Table 6 (cont.). Ratio estimate and standard error for the discarded pounds of 35 selected species or species groups by area, depth, and two-month period from January 1, 2005 to April 30, 2006 in observed groundfish tows. Periods have been combined in order to have sufficient data for estimation. Combinations of area and depth with insufficient data have been omitted. Standard errors cannot be calculated when there is only one tow in a category. Where quantities could not be estimated, cells were left blank.

AE. Coho Salmon

Year	Area	Depth (fm)	Period	Number of tows	Discarded lb of species per hour of towing		Discarded lb of species per 100 lb of retained groundfish		Percent of species discarded from total catch of species	
					lb/hr	se	ratio	se	%	se
2005	North	0-74.9	1-2	132	0.0000		0.0000			
			3	514	0.0000		0.0000			
			4	398	0.0000		0.0000			
			5	104	0.0000		0.0000			
		75-149.9	1-2	123	0.0000		0.0000			
			3	154	0.0000		0.0000			
			4	319	0.0000		0.0000			
			5-6	86	0.0000		0.0000			
		>150	1	301	0.0017	0.0017	0.0002	0.0002	100.00%	
			2	303	0.0000		0.0000			
			3	234	0.0000		0.0000			
			4	115	0.0000		0.0000			
			5	112	0.0000		0.0000			
			6	113	0.0000		0.0000			
	South	0-74.9	1-6	79	0.0000		0.0000			
		75-149.9	1-6	27	0.0000		0.0000			
		>150	1	61	0.0000		0.0000			
			2	109	0.0000		0.0000			
			3	39	0.0000		0.0000			
			4	92	0.0000		0.0000			
			5	34	0.0000		0.0000			
			6	32	0.0000		0.0000			
January - April 2006	North									
		0-74.9	1-2	150	0.0000		0.0000			
		> 150	1	276	0.0000		0.0000			
			2	220	0.0000		0.0000			
	South	>150					0.0000			
			1	35	0.0000		0.0000			
			2	6	0.0000		0.0000			

Table 6 (cont.). Ratio estimate and standard error for the discarded pounds of 35 selected species or species groups by area, depth, and two-month period from January 1, 2005 to April 30, 2006 in observed groundfish tows. Periods have been combined in order to have sufficient data for estimation. Combinations of area and depth with insufficient data have been omitted. Standard errors cannot be calculated when there is only one tow in a category. Where quantities could not be estimated, cells were left blank.

AF.Pink Salmon

Year	Area	Depth (fm)	Period	Number of tows	Discarded lb of species per hour of towing		Discarded lb of species per 100 lb of retained groundfish		Percent of species discarded from total catch of species	
					lb/hr	se	ratio	se	%	se
2005	North	0-74.9	1-2	132	0.0000		0.0000			
			3	514	0.0000		0.0000			
			4	398	0.0000		0.0000			
			5	104	0.0000		0.0000			
		75-149.9	1-2	123	0.0000		0.0000			
			3	154	0.0000		0.0000			
			4	319	0.0000		0.0000			
			5-6	86	0.0000		0.0000			
		>150	1	301	0.0000		0.0000			
			2	303	0.0000		0.0000			
			3	234	0.0000		0.0000			
			4	115	0.0000		0.0000			
			5	112	0.0000		0.0000			
			6	113	0.0000		0.0000			
	South	0-74.9	1-6	79	0.0000		0.0000			
		75-149.9	1-6	27	0.0000		0.0000			
		>150	1	61	0.0000		0.0000			
			2	109	0.0000		0.0000			
			3	39	0.0000		0.0000			
			4	92	0.0000		0.0000			
			5	34	0.0000		0.0000			
			6	32	0.0000		0.0000			
January - April 2006	North									
		0-74.9	1-2	150	0.0000		0.0000			
		> 150	1	276	0.0000		0.0000			
			2	220	0.0000		0.0000			
	South	>150	1	35	0.0000		0.0000			
			2	6	0.0000		0.0000			

Table 6 (cont.). Ratio estimate and standard error for the discarded pounds of 35 selected species or species groups by area, depth, and two-month period from January 1, 2005 to April 30, 2006 in observed groundfish tows. Periods have been combined in order to have sufficient data for estimation. Combinations of area and depth with insufficient data have been omitted. Standard errors cannot be calculated when there is only one tow in a category. Where quantities could not be estimated, cells were left blank.

AG.Sockeye Salmon

Year	Area	Depth (fm)	Period	Number of tows	Discarded lb of species per hour of towing		Discarded lb of species per 100 lb of retained groundfish		Percent of species discarded from total catch of species	
					lb/hr	se	ratio	se	%	se
2005	North	0-74.9	1-2	132	0.0000		0.0000			
			3	514	0.0000		0.0000			
			4	398	0.0000		0.0000			
			5	104	0.0000		0.0000			
		75-149.9	1-2	123	0.0000		0.0000			
			3	154	0.0000		0.0000			
			4	319	0.0000		0.0000			
			5-6	86	0.0000		0.0000			
		>150	1	301	0.0000		0.0000			
			2	303	0.0000		0.0000			
			3	234	0.0000		0.0000			
			4	115	0.0000		0.0000			
			5	112	0.0000		0.0000			
			6	113	0.0000		0.0000			
	South	0-74.9	1-6	79	0.0000		0.0000			
		75-149.9	1-6	27	0.0000		0.0000			
		>150	1	61	0.0000		0.0000			
			2	109	0.0000		0.0000			
			3	39	0.0000		0.0000			
			4	92	0.0000		0.0000			
			5	34	0.0000		0.0000			
			6	32	0.0000		0.0000			
January - April 2006	North									
		0-74.9	1-2	150	0.0000		0.0000			
		> 150	1	276	0.0000		0.0000			
			2	220	0.0000		0.0000			
	South	>150	1	35	0.0000		0.0000			
			2	6	0.0000		0.0000			

Table 6 (cont.). Ratio estimate and standard error for the discarded pounds of 35 selected species or species groups by area, depth, and two-month period from January 1, 2005 to April 30, 2006 in observed groundfish tows. Periods have been combined in order to have sufficient data for estimation. Combinations of area and depth with insufficient data have been omitted. Standard errors cannot be calculated when there is only one tow in a category. Where quantities could not be estimated, cells were left blank.

AH. Steelhead

Year	Area	Depth (fm)	Period	Number of tows	Discarded lb of species per hour of towing		Discarded lb of species per 100 lb of retained groundfish		Percent of species discarded from total catch of species	
					lb/hr	se	ratio	se	%	se
2005	North	0-74.9	1-2	132	0.0000		0.0000			
			3	514	0.0000		0.0000			
			4	398	0.0000		0.0000			
			5	104	0.0000		0.0000			
		75-149.9	1-2	123	0.0000		0.0000			
			3	154	0.0000		0.0000			
			4	319	0.0000		0.0000			
			5-6	86	0.0000		0.0000			
		>150	1	301	0.0000		0.0000			
			2	303	0.0000		0.0000			
			3	234	0.0000		0.0000			
			4	115	0.0000		0.0000			
			5	112	0.0000		0.0000			
			6	113	0.0000		0.0000			
	South	0-74.9	1-6	79	0.0000		0.0000			
		75-149.9	1-6	27	0.0000		0.0000			
		>150	1	61	0.0000		0.0000			
			2	109	0.0000		0.0000			
			3	39	0.0000		0.0000			
			4	92	0.0000		0.0000			
			5	34	0.0000		0.0000			
			6	32	0.0000		0.0000			
January - April 2006	North									
		0-74.9	1-2	150	0.0000		0.0000			
		> 150	1	276	0.0000		0.0000			
			2	220	0.0000		0.0000			
	South	>150	1	35	0.0000		0.0000			
			2	6	0.0000		0.0000			

Table 6 (cont.). Ratio estimate and standard error for the discarded pounds of 35 selected species or species groups by area, depth, and two-month period from January 1, 2005 to April 30, 2006 in observed groundfish tows. Periods have been combined in order to have sufficient data for estimation. Combinations of area and depth with insufficient data have been omitted. Standard errors cannot be calculated when there is only one tow in a category. Where quantities could not be estimated, cells were left blank.

AI. Unidentified Salmon Species

Year	Area	Depth (fm)	Period	Number of tows	Discarded lb of species per hour of towing		Discarded lb of species per 100 lb of retained groundfish		Percent of species discarded from total catch of species	
					lb/hr	se	ratio	se	%	se
2005	North	0-74.9	1-2	132	0.0000		0.0000			
			3	514	0.0000		0.0000			
			4	398	0.0000		0.0000			
			5	104	0.0000		0.0000			
		75-149.9	1-2	123	0.0000		0.0000			
			3	154	0.0000		0.0000			
			4	319	0.0000		0.0000			
			5-6	86	0.0000		0.0000			
		>150	1	301	0.0000		0.0000			
			2	303	0.0000		0.0000			
			3	234	0.0000		0.0000			
			4	115	0.0000		0.0000			
			5	112	0.0000		0.0000			
			6	113	0.0000		0.0000			
	South	0-74.9	1-6	79	0.0000		0.0000			
		75-149.9	1-6	27	0.0000		0.0000			
		>150	1	61	0.0000		0.0000			
			2	109	0.0000		0.0000			
			3	39	0.0000		0.0000			
			4	92	0.0000		0.0000			
			5	34	0.0000		0.0000			
			6	32	0.0000		0.0000			
January - April 2006	North									
		0-74.9	1-2	150	0.0000		0.0000			
		> 150	1	276	0.0000		0.0000			
			2	220	0.0000		0.0000			
	South	>150	1	35	0.0000		0.0000			
			2	6	0.0000		0.0000			

Table 7. Ratio estimate and standard error for the total bycatch of seven overfished species and lingcod¹ per 100 pounds of retained groundfish by area, depth, and two-month period in groundfish tows from January 1, 2005 to April 30, 2006. Periods have been grouped for combinations of area and depth that have insufficient data to be estimated separately.

A. Bocaccio Rockfish

			North		South		Coastwide	
			100 lb of retained groundfish		100 lb of retained groundfish		100 lb of retained groundfish	
Year	Depth (fm)	Period	ratio	se	ratio	se	ratio	se
2005	0-74.9	1					0.0000	
		2					0.0000	
		1-2	0.0000					
		3	0.0291	0.0273			0.0291	0.0273
		4	0.0153	0.0119			0.2029	0.0523
		5	0.0039	0.0035			0.0064	0.0044
		1-6	0.0182	0.0118	1.5114	0.3715	0.0991	0.0247
	75-149.9	1-2	0.0044	0.0044			0.0044	0.0044
		3	0.2933	0.0884			0.2933	0.0884
		4	0.0365	0.0122			0.3754	0.1079
		5-6	0.0000				0.0000	
		1-6	0.0897	0.0230	11.5057	3.3581	0.2458	0.0537
	>150	1	0.0033	0.0017	0.0000		0.0028	0.0014
		2	0.0000		0.0074	0.0061	0.0017	0.0014
		3	0.0000		0.1305	0.1030	0.0340	0.0276
		4	0.0000		1.6318	0.5911	0.7266	0.2605
		5	0.0000		0.0000		0.0000	
		6	0.0000		0.0000		0.0000	
		1-6	0.0010	0.0005	0.3652	0.1233	0.0867	0.0289
	January - April 2006							
	0-74.9	1-2	0.0000				0.0000	
	>150	1	0.0000		0.0032	0.0032	0.0004	0.0004
		2	0.0000		0.0000		0.0000	
		1-2	0.0000		0.0028	0.0028	0.0002	0.0002

¹Lingcod were classified as rebuilt in 2006.

Table 7 (cont.). Ratio estimate and standard error for the total bycatch of seven overfished species and lingcod¹ per 100 pounds of retained groundfish by area, depth, and two-month period in groundfish tows from January 1, 2005 to April 30, 2006. Periods have been grouped for combinations of area and depth that have insufficient data to be estimated separately.

B. Canary Rockfish

			North		South		Coast	
Year	Depth (fm)	Period	Species catch per		Species catch per		Species catch per	
			ratio	se	ratio	se	ratio	se
2005	0-74.9	1					0.0666	0.0354
		2					0.2636	0.0846
		1-2	0.1327	0.0390				
		3	0.2018	0.0730			0.2018	0.0730
		4	0.4967	0.1610			0.4548	0.1436
		5	0.0640	0.0201			0.0640	0.0201
		1-6	0.2996	0.0717	0.1136	0.0668	0.2894	0.0679
	75-149.9	1-2	0.5362	0.1058			0.5362	0.1058
		3	0.5190	0.1170			0.5190	0.1170
		4	0.7855	0.2533			0.7655	0.2463
		5-6	0.1744	0.0657			0.1724	0.0650
		1-6	0.5839	0.1205	0.0354	0.0258	0.5763	0.1188
	>150	1	0.0017	0.0011	0.0000		0.0014	0.0009
		2	0.0002	0.0002	0.0000		0.0001	0.0001
		3	0.0078	0.0036	0.0000		0.0058	0.0027
		4	0.0011	0.0008	0.0020	0.0015	0.0015	0.0008
		5	0.0000		0.0000		0.0000	
		6	0.0000		0.0000		0.0000	
		1-6	0.0017	0.0006	0.0004	0.0003	0.0014	0.0005
January - April 2006								
	0-74.9	1-2	0.6395	0.1545			0.6395	0.1545
	>150	1	0.0000		0.0000		0.0000	
2		0.0006	0.0004	0.0000		0.0006	0.0004	
1-2		0.0003	0.0002	0.0000		0.0003	0.0002	

¹Lingcod were classified as rebuilt in 2006.

Table 7 (cont.). Ratio estimate and standard error for the total bycatch of seven overfished species and lingcod¹ per 100 pounds of retained groundfish by area, depth, and two-month period in groundfish tows from January 1, 2005 to April 30, 2006. Periods have been grouped for combinations of area and depth that have insufficient data to be estimated separately.

C. Cowcod Rockfish

			North		South		Coast	
Year	Depth (fm)	Period	Species catch per		Species catch per		Species catch per	
			ratio	se	ratio	se	ratio	se
2005	0-74.9	1					0.0031	0.0029
		2					0.0000	
		1-2	0.0000	0.0000				
		3	0.0000	0.0000			0.0000	
		4	0.0000	0.0000			0.0067	0.0033
		5	0.0000	0.0000			0.0000	
		1-6	0.0000	0.0000	0.0563	0.0264	0.0031	0.0014
	75-149.9	1-2	0.0000				0.0000	
		3	0.0000				0.0000	
		4	0.0000				0.0259	0.0080
		5-6	0.0000				0.0000	
		1-6	0.0000		0.8772	0.2295	0.0120	0.0036
	>150	1	0.0000		0.0000		0.0000	
		2	0.0000		0.0000		0.0000	
		3	0.0000		0.0055	0.0053	0.0014	0.0014
		4	0.0000		0.0125	0.0111	0.0056	0.0049
		5	0.0000		0.0000		0.0000	
		6	0.0000		0.0000		0.0000	
		1-6	0.0000		0.0035	0.0025	0.0008	0.0006
January - April 2006								
0-74.9	1-2	0.0000				0.0000		
>150	1	0.0082	0.0049	0.0000		0.0073	0.0043	
	2	0.0000		0.0000		0.0000		
	1-2	0.0041	0.0025	0.0000		0.0039	0.0023	

¹Lingcod were classified as rebuilt in 2006.

Table 7 (cont.). Ratio estimate and standard error for the total bycatch of seven overfished species and lingcod¹ per 100 pounds of retained groundfish by area, depth, and two-month period in groundfish tows from January 1, 2005 to April 30, 2006. Periods have been grouped for combinations of area and depth that have insufficient data to be estimated separately.

D. Darkblotched Rockfish

			North		South		Coast	
Year	Depth (fm)	Period	Species catch per		Species catch per		Species catch per	
			ratio	se	ratio	se	ratio	se
2005	0-74.9	1					0.0000	
		2					0.0161	0.0061
		1-2	0.0059	0.0024				
		3	0.0827	0.0241			0.0827	0.0241
		4	0.1155	0.0502			0.1030	0.0447
		5	0.0616	0.0198			0.0618	0.0198
		1-6	0.0878	0.0226	0.0005	0.0006	0.0831	0.0214
	75-149.9	1-2	0.3784	0.1516			0.3784	0.1516
		3	0.1844	0.0555			0.1844	0.0555
		4	0.7005	0.5551			0.6817	0.5402
		5-6	0.1286	0.0365			0.1271	0.0361
		1-6	0.4348	0.2554	0.0000		0.4288	0.2519
	>150	1	1.4456	0.1787	0.0000		1.1955	0.1498
		2	0.4808	0.0814	0.2729	0.0598	0.4328	0.0642
		3	0.8787	0.1349	2.3035	0.5186	1.2488	0.1877
		4	0.9302	0.3252	0.1359	0.0554	0.5765	0.1861
		5	1.5177	0.4632	0.0259	0.0136	1.2157	0.3722
		6	0.8062	0.1943	1.7155	1.7399	0.9616	0.3366
		1-6	0.9797	0.0807	0.5691	0.1517	0.8831	0.0711
	January - April 2006							
	0-74.9	1-2	0.0014	0.0009			0.0014	0.0009
	>150	1	4.4670	0.5901	4.0151	1.4305	4.4155	0.5464
		2	0.6849	0.1162	0.0000		0.6734	0.1144
		1-2	2.5913	0.3026	3.5490	1.2682	2.6568	0.2953

¹Lingcod were classified as rebuilt in 2006.

Table 7 (cont.). Ratio estimate and standard error for the total bycatch of seven overfished species and lingcod¹ per 100 pounds of retained groundfish by area, depth, and two-month period in groundfish tows from January 1, 2005 to April 30, 2006. Periods have been grouped for combinations of area and depth that have insufficient data to be estimated separately.

E. Lingcod

L. Lingcod

			North		South		Coast	
Year	Depth (fm)	Period	Species catch per		Species catch per		Species catch per	
			ratio	se	ratio	se	ratio	se
2005	0-74.9	1					1.1799	0.2385
		2					2.7939	0.9572
		1-2	1.8568	0.3855				
		3	3.1483	0.3760			3.1483	0.3760
		4	8.1367	0.7808			8.1053	0.7470
		5	6.9618	1.1522			6.9619	1.1512
		1-6	5.5698	0.3770	6.8361	2.2646	5.6375	0.3769
	75-149.9	1-2	4.0904	0.6919			4.0904	0.6919
		3	5.4625	1.0891			5.4625	1.0891
		4	9.4493	1.7540			9.2381	1.7010
		5-6	2.5134	0.3706			2.4845	0.3685
		1-6	6.6081	0.8354	1.4146	0.3604	6.5360	0.8231
	>150	1	0.4988	0.0569	0.3567	0.1141	0.4742	0.0512
		2	0.2308	0.0682	0.1997	0.1017	0.2236	0.0574
		3	0.0348	0.0112	0.8790	0.5835	0.2548	0.1505
		4	0.0752	0.0346	0.8724	0.4262	0.4302	0.1891
		5	0.0387	0.0385	0.0382	0.0376	0.0386	0.0316
		6	0.2417	0.1260	0.0048	0.0048	0.2005	0.1040
		1-6	0.2589	0.0299	0.4540	0.1307	0.3048	0.0382
January - April 2006								
0-74.9	1-2	4.1519	0.6641			4.1519	0.6641	
>150	1	0.5580	0.0973	0.3459	0.1296	0.5338	0.0875	
	2	0.1914	0.0587	0.0000		0.1882	0.0578	
	1-2	0.3762	0.0571	0.3057	0.1145	0.3714	0.0537	

¹Lingcod were classified as rebuilt in 2006.

Table 7 (cont.). Ratio estimate and standard error for the total bycatch of seven overfished species and lingcod¹ per 100 pounds of retained groundfish by area, depth, and two-month period in groundfish tows from January 1, 2005 to April 30, 2006. Periods have been grouped for combinations of area and depth that have insufficient data to be estimated separately.

F. Pacific Ocean Perch

			North		South		Coast	
Year	Depth (fm)	Period	Species catch per		Species catch per		Species catch per	
			ratio	se	ratio	se	ratio	se
2005	0-74.9	1					0.0000	
		2					0.0013	0.0009
		1-2	0.0005	0.0003				
		3	0.0063	0.0034			0.0063	0.0034
		4	0.0028	0.0014			0.0025	0.0012
		5	0.1200	0.0423			0.1199	0.0423
		1-6	0.0188	0.0060	0.0000		0.0178	0.0057
	75-149.9	1-2	0.0329	0.0115			0.0329	0.0115
		3	0.0834	0.0558			0.0834	0.0558
		4	0.5861	0.4592			0.5704	0.4468
		5-6	0.4358	0.2863			0.4308	0.2830
		1-6	0.3672	0.2162	0.0000		0.3622	0.2132
	>150	1	0.8680	0.1864	0.0000		0.7179	0.1549
		2	0.3118	0.0513	0.0000		0.2399	0.0396
		3	0.9124	0.3247	0.0000		0.6731	0.2408
		4	0.3302	0.1110	0.0000		0.1831	0.0614
		5	1.1322	0.6181	0.0000		0.9030	0.4948
		6	0.6520	0.3589	0.0000		0.5387	0.2961
		1-6	0.6617	0.0959	0.0000		0.5060	0.0735
	January - April 2006							
	0-74.9	1-2	0.0008	0.0003			0.0008	0.0003
	>150	1	1.0550	0.2144	0.0000		0.9348	0.1898
		2	0.1656	0.0404	0.0000		0.1628	0.0398
		1-2	0.6139	0.1100	0.0000		0.5719	0.1024

¹Lingcod were classified as rebuilt in 2006.

Table 7 (cont.). Ratio estimate and standard error for the total bycatch of seven overfished species and lingcod¹ per 100 pounds of retained groundfish by area, depth, and two-month period in groundfish tows from January 1, 2005 to April 30, 2006. Periods have been grouped for combinations of area and depth that have insufficient data to be estimated separately.

G. Widow Rockfish

			North		South		Coast	
Year	Depth (fm)	Period	Species catch per		Species catch per		Species catch per	
			ratio	se	ratio	se	ratio	se
2005	0-74.9	1					0.0000	
		2					0.0055	0.0012
		1-2	0.0020	0.0005				
		3	0.0003	0.0003			0.0003	0.0003
		4	0.0004	0.0003			0.0020	0.0012
		5	0.0000				0.0009	0.0009
		1-6	0.0004	0.0002	0.0149	0.0093	0.0012	0.0005
	75-149.9	1-2	0.0021	0.0015			0.0021	0.0015
		3	0.0017	0.0011			0.0017	0.0011
		4	0.0194	0.0193			0.0189	0.0188
		5-6	0.3972	0.4026			0.3927	0.3979
		1-6	0.0777	0.0688	0.0000		0.0767	0.0679
	>150	1	0.0390	0.0251	0.0000		0.0323	0.0207
		2	0.0113	0.0038	0.0000		0.0087	0.0030
		3	0.0034	0.0021	0.0426	0.0413	0.0136	0.0111
		4	0.0000	0.0000	0.0000		0.0000	
		5	0.0170	0.0081	0.0000		0.0136	0.0065
		6	0.0029	0.0010	0.0000		0.0024	0.0009
		1-6	0.0175	0.0078	0.0065	0.0065	0.0149	0.0061
January - April 2006								
0-74.9	1-2	0.0029	0.0029			0.0029	0.0029	
	>150	1	0.0053	0.0028	0.0000		0.0047	0.0025
		2	0.0013	0.0009	0.0000		0.0013	0.0009
		1-2	0.0033	0.0015	0.0000		0.0031	0.0014

¹Lingcod were classified as rebuilt in 2006.

Table 7 (cont.). Ratio estimate and standard error for the total bycatch of seven overfished species and lingcod¹ per 100 pounds of retained groundfish by area, depth, and two-month period in groundfish tows from January 1, 2005 to April 30, 2006. Periods have been grouped for combinations of area and depth that have insufficient data to be estimated separately.

H. Yelloweye Rockfish

			North		South		Coast		
Year	Depth (fm)	Period	Species catch per		Species catch per		Species catch per		
			ratio	se	ratio	se	ratio	se	
2005	0-74.9	1	0.0000	0.0000			0.0000		
		2	0.0000	0.0000			0.0009		
		1-2	0.0003	0.0003					
		3	0.0011	0.0006			0.0011	0.0006	
		4	0.0274	0.0107			0.0244	0.0095	
		5	0.0022	0.0022			0.0022	0.0022	
		1-6	0.0119	0.0044			0.0000	0.0113	0.0041
	75-149.9	1-2	0.0035	0.0025			0.0035	0.0025	
		3	0.0090	0.0061			0.0090	0.0061	
		4	0.0176	0.0065			0.0172	0.0064	
		5-6	0.0082	0.0080			0.0081	0.0080	
		1-6	0.0121	0.0036			0.0000	0.0119	0.0036
	>150	1	0.0036	0.0033	0.0000		0.0030	0.0028	
		2	0.0000	0.0000			0.0000		
		3	0.0000	0.0000			0.0000		
		4	0.0000	0.0000			0.0000		
		5	0.0017	0.0017			0.0000	0.0013	0.0013
		6	0.0000	0.0000			0.0000	0.0000	
		1-6	0.0012	0.0010			0.0000	0.0009	0.0008
January - April 2006									
0-74.9	1-2	0.0000					0.0000		
>150	1	0.0005	0.0005	0.0000		0.0004		0.0004	
	2	0.0000	0.0000		0.0000				
	1-2	0.0003	0.0003	0.0000		0.0002		0.0002	

¹Lingcod were classified as rebuilt in 2006.

Table 8. Ratio estimator and standard error for the total bycatch of seven overfished species and lingcod per pound of total retained groundfish by area, observer program year, and depth. Standard errors cannot be calculated when there is only one tow in a category.

A. Bocaccio

		Sep. 2001 - Aug. 2002		Sep. 2002 - Aug. 2003		Sep. 2003 - Aug. 2004		Jan. - Dec. 2004		Jan. - Dec. 2005		Jan. - Apr. 2006	
		Species catch per 100 lb of retained groundfish		Species catch per 100 lb of retained groundfish		Species catch per 100 lb of retained groundfish		Species catch per 100 lb of retained groundfish		Species catch per 100 lb of retained groundfish		Species catch per 100 lb of retained groundfish	
Area	Depth (fm)	ratio	se	ratio	se	ratio	se	ratio	se	ratio	se	ratio	se
North	0-74.9	0.0117	0.0084	0.0000		0.0009	0.0009	0.0008	0.0008	0.0182	0.0118	0.0000	
	75-149.9	0.0765	0.0519	0.0088	0.0052	0.0000		0.0000		0.0897	0.0230		
	> 150	0.0077	0.0033	0.0141	0.0079	0.0027	0.0010	0.0017	0.0008	0.0010	0.0005	0.0000	
South	0-74.9	0.6862	0.2803	0.2005	0.1660	2.0446	0.8953	3.1903	1.3430	1.5114	0.3715		
	75-149.9	6.8989	1.5478	0.5094	0.5094	0.5757	0.4486	0.3075	0.2147	11.5057	3.3581		
	> 150	0.1342	0.0440	0.1631	0.0768	0.0100	0.0026	0.0333	0.0130	0.3652	0.1233	0.0028	0.0028
Coastwide	0-74.9	0.1121	0.0411	0.0283	0.0234	0.1315	0.0566	0.1301	0.0527	0.0991	0.0247	0.0000	
	75-149.9	1.3969	0.3185	0.0118	0.0060	0.0220	0.0178	0.0206	0.0168	0.2458	0.0537		
	> 150	0.0512	0.0152	0.0547	0.0218	0.0045	0.0010	0.0103	0.0036	0.0867	0.0289	0.0002	0.0002

B. Canary Rockfish

		Sep. 2001 - Aug. 2002		Sep. 2002 - Aug. 2003		Sep. 2003 - Aug. 2004		Jan. - Dec. 2004		Jan. - Dec. 2005		Jan. - Apr. 2006	
		Species catch per 100 lb of retained groundfish		Species catch per 100 lb of retained groundfish		Species catch per 100 lb of retained groundfish		Species catch per 100 lb of retained groundfish		Species catch per 100 lb of retained groundfish		Species catch per 100 lb of retained groundfish	
Area	Depth (fm)	ratio	se	ratio	se	ratio	se	ratio	se	ratio	se	ratio	se
North	0-74.9	0.6010	0.0992	0.3688	0.0904	0.3467	0.0573	0.2926	0.0488	0.2996	0.0717	0.6395	0.1545
	75-149.9	1.0054	0.1111	1.3494	0.2394	0.5011	0.1585	0.4819	0.1448	0.5839	0.1205		
	> 150	0.0132	0.0052	0.0059	0.0015	0.0055	0.0020	0.0052	0.0018	0.0017	0.0006	0.0003	0.0002
South	0-74.9	0.1011	0.0560	0.0015	0.0015	0.1817	0.1082	1.0891	0.8505	0.1136	0.0668		
	75-149.9	0.2675	0.0862	0.0207	0.0207	0.0000		0.0000		0.0354	0.0258		
	> 150	0.0072	0.0051	0.0000		0.0003	0.0002	0.0002	0.0002	0.0004	0.0003	0.0000	
Coastwide	0-74.9	0.5266	0.0852	0.3170	0.0777	0.3361	0.0542	0.3249	0.0579	0.2894	0.0679	0.6395	0.1545
	75-149.9	0.8626	0.0890	1.3415	0.2381	0.4820	0.1525	0.4467	0.1340	0.5763	0.1188		
	> 150	0.0111	0.0038	0.0043	0.0011	0.0042	0.0015	0.0039	0.0013	0.0014	0.0005	0.0003	0.0002

Table 8 (cont.). Ratio estimator and standard error for the total bycatch of seven overfished species and lingcod per pound of total retained groundfish by area, observer program year, and depth. Standard errors cannot be calculated when there is only one tow in a category.

C. Cowcod Rockfish

		Sep. 2001 - Aug. 2002	Sep. 2002 - Aug. 2003	Sep. 2003 - Aug. 2004	Jan. - Dec. 2004	Jan. - Dec. 2005	Jan. - Apr. 2006
		Species catch per 100 lb of retained groundfish	Species catch per 100 lb of retained groundfish	Species catch per 100 lb of retained groundfish	Species catch per 100 lb of retained groundfish	Species catch per 100 lb of retained groundfish	Species catch per 100 lb of retained groundfish
Area	Depth (fm)	ratio se	ratio se	ratio se	ratio se	ratio se	ratio se
North	0-74.9	0.0000		0.0000	0.0000	0.0000	0.0000
	75-149.9	0.0006 0.0006	0.0000	0.0000	0.0000	0.0000	
	> 150	0.0000	0.0000	0.0000	0.0000	0.0000	0.0041 0.0025
South	0-74.9	0.0090 0.0056	0.0195 0.0134	0.1441 0.0633	0.2051 0.0943	0.0563 0.0264	
	75-149.9	0.4083 0.1715	2.9184 2.9184	2.0640 1.8264	1.1024 1.1232	0.8772 0.2295	
	> 150	0.0104 0.0061	0.0000	0.0002 0.0002	0.0001 0.0001	0.0035 0.0025	0.0000
Coastwide	0-74.9	0.0013 0.0008	0.0028 0.0019	0.0092 0.0040	0.0083 0.0037	0.0031 0.0014	0.0000
	75-149.9	0.0795 0.0336	0.0175 0.0175	0.0789 0.0709	0.0740 0.0680	0.0120 0.0036	
	> 150	0.0036 0.0021	0.0000	0.0000 0.0000	0.0000 0.0000	0.0008 0.0006	0.0039 0.0023

D. Widow Rockfish

		Sep. 2001 - Aug. 2002	Sep. 2002 - Aug. 2003	Sep. 2003 - Aug. 2004	Jan. - Dec. 2004	Jan. - Dec. 2005	Jan. - Apr. 2006
		Species catch per 100 lb of retained groundfish	Species catch per 100 lb of retained groundfish	Species catch per 100 lb of retained groundfish	Species catch per 100 lb of retained groundfish	Species catch per 100 lb of retained groundfish	Species catch per 100 lb of retained groundfish
Area	Depth (fm)	ratio se	ratio se	ratio se	ratio se	ratio se	ratio se
North	0-74.9	0.0846 0.0617	0.0123 0.0050	0.0087 0.0036	0.0948 0.0327	0.0004 0.0002	0.0029 0.0029
	75-149.9	2.3398 1.8712	0.0431 0.0302	0.0000	0.0000	0.0777 0.0688	
	> 150	0.0105 0.0036	0.0254 0.0101	0.0246 0.0132	0.0260 0.0126	0.0175 0.0078	0.0033 0.0015
South	0-74.9	0.0008 0.0008	0.0000	0.0074 0.0074	0.0174 0.0128	0.0149 0.0093	
	75-149.9	0.1395 0.0717	0.0000	0.0000	0.0000	0.0000	
	> 150	0.0126 0.0051	0.0000	0.0164 0.0161	0.0130 0.0128	0.0065 0.0065	0.0000
Coastwide	0-74.9	0.0721 0.0525	0.0106 0.0043	0.0086 0.0034	0.0917 0.0314	0.0012 0.0005	0.0029 0.0029
	75-149.9	1.9139 1.5088	0.0429 0.0300	0.0000	0.0000	0.0767 0.0679	
	> 150	0.0113 0.0029	0.0184 0.0073	0.0226 0.0107	0.0225 0.0098	0.0149 0.0061	0.0031 0.0014

Table 8 (cont.). Ratio estimator and standard error for the total bycatch of seven overfished species and lingcod per pound of total retained groundfish by area, observer program year, and depth. Standard errors cannot be calculated when there is only one tow in a category.

E. Yelloweye Rockfish

		Sep. 2001 - Aug. 2002		Sep. 2002 - Aug. 2003		Sep. 2003 - Aug. 2004		Jan. - Dec. 2004		Jan. - Dec. 2005		Jan. - Apr. 2006	
		Species catch per 100 lb of retained groundfish		Species catch per 100 lb of retained groundfish		Species catch per 100 lb of retained groundfish		Species catch per 100 lb of retained groundfish		Species catch per 100 lb of retained groundfish		Species catch per 100 lb of retained groundfish	
Area	Depth (fm)	ratio	se	ratio	se	ratio	se	ratio	se	ratio	se	ratio	se
North	0-74.9	0.0031	0.0009	0.0122	0.0052	0.0118	0.0076	0.0113	0.0068	0.0119	0.0044	0.0000	
	75-149.9	0.0209	0.0160	0.0032	0.0013	0.0042	0.0030	0.0041	0.0028	0.0121	0.0036		
	> 150	0.0004	0.0003	0.0001	0.0001	0.0007	0.0005	0.0007	0.0004	0.0012	0.0010	0.0003	0.0003
South	0-74.9	0.0000		0.0251	0.0201	0.0158	0.0114	0.0000		0.0000			
	75-149.9	0.0000		0.0000		0.0000		0.0000		0.0000			
	> 150	0.0022	0.0022	0.0000	0.0768	0.0000	0.0161	0.0000		0.0000		0.0000	
Coastwide	0-74.9	0.0027	0.0008	0.0140	0.0053	0.0120	0.0071	0.0109	0.0065	0.0113	0.0041	0.0000	
	75-149.9	0.0169	0.0129	0.0032	0.0013	0.0041	0.0029	0.0038	0.0026	0.0119	0.0036		
	> 150	0.0010	0.0008	0.0001	0.0001	0.0006	0.0004	0.0005	0.0003	0.0009	0.0008	0.0002	0.0002

F. Darkblotched Rockfish

		Sep. 2001 - Aug. 2002		Sep. 2002 - Aug. 2003		Sep. 2003 - Aug. 2004		Jan. - Dec. 2004		Jan. - Dec. 2005		Jan. - Apr. 2006	
		Species catch per 100 lb of retained groundfish		Species catch per 100 lb of retained groundfish		Species catch per 100 lb of retained groundfish		Species catch per 100 lb of retained groundfish		Species catch per 100 lb of retained groundfish		Species catch per 100 lb of retained groundfish	
Area	Depth (fm)	ratio	se	ratio	se	ratio	se	ratio	se	ratio	se	ratio	se
North	0-74.9	0.1526	0.0377	0.0884	0.0242	0.2189	0.0464	0.2514	0.0503	0.0878	0.0226	0.0014	0.0009
	75-149.9	2.2729	0.4341	0.6956	0.1275	1.7907	0.6202	1.1014	0.3912	0.4348	0.2554		
	> 150	0.9524	0.1153	0.8759	0.1302	1.9692	0.3299	1.6663	0.2874	0.9797	0.0807	2.5913	0.3026
South	0-74.9	0.0000		0.0012	0.0012	0.0000	0.0114	0.0000		0.0005	0.0006		
	75-149.9	0.1216	0.0519	0.0000		0.0000		0.0000		0.0000			
	> 150	0.1538	0.0535	0.1234	0.0540	0.3648	0.1307	0.2688	0.1016	0.5691	0.1517	3.5490	1.2682
Coastwide	0-74.9	0.1299	0.0322	0.0761	0.0208	0.2049	0.0435	0.2412	0.0483	0.0831	0.0214	0.0014	0.0009
	75-149.9	1.8565	0.3471	0.6914	0.1268	1.7222	0.5966	1.0209	0.3696	0.4288	0.2519		
	> 150	0.6780	0.0783	0.6706	0.0958	1.5737	0.2507	1.2879	0.2123	0.8831	0.0711	2.6568	0.2953

Table 8 (cont.). Ratio estimator and standard error for the total bycatch of seven overfished species and lingcod per pound of total retained groundfish by area, observer program year, and depth. Standard errors cannot be calculated when there is only one tow in a category.

G. Pacific Ocean Perch

		Sep. 2001 - Aug. 2002		Sep. 2002 - Aug. 2003		Sep. 2003 - Aug. 2004		Jan. - Dec. 2004		Jan. - Dec. 2005		Jan. - Apr. 2006	
		Species catch per 100 lb of retained groundfish		Species catch per 100 lb of retained groundfish		Species catch per 100 lb of retained groundfish		Species catch per 100 lb of retained groundfish		Species catch per 100 lb of retained groundfish		Species catch per 100 lb of retained groundfish	
Area	Depth (fm)	ratio	se	ratio	se	ratio	se	ratio	se	ratio	se	ratio	se
North	0-74.9	0.0663	0.0374	0.0007	0.0003	0.0131	0.0091	0.0117	0.0081	0.0188	0.0060	0.0008	0.0003
	75-149.9	4.0499	1.0601	0.1189	0.0827	3.8539	2.6087	3.2785	2.2711	0.3672	0.2162		
	> 150	1.0865	0.1992	1.0954	0.1614	0.9674	0.1282	1.0400	0.1377	0.6617	0.0959	0.6139	0.1100
South	0-74.9	0.0000		0.0000		0.0000		0.0000		0.0000			
	75-149.9	0.0000		0.0000		0.0000		0.0000		0.0000			
	> 150	0.0001	0.0001	0.0000		0.0476	0.0476	0.0378	0.0379	0.0000		0.0000	
Coastwide	0-74.9	0.0565	0.0318	0.0006	0.0003	0.0123	0.0085	0.0112	0.0077	0.0178	0.0057	0.0008	0.0003
	75-149.9	3.2661	0.8509	0.1182	0.0822	3.7065	2.5090	3.0387	2.1190	0.3622	0.2132		
	> 150	0.7132	0.1311	0.7966	0.1173	0.7407	0.0974	0.7686	0.1013	0.5060	0.0735	0.5719	0.1024

H. Lingcod

		Sep. 2001 - Aug. 2002		Sep. 2002 - Aug. 2003		Sep. 2003 - Aug. 2004		Jan. - Dec. 2004		Jan. - Dec. 2005		Jan. - Apr. 2006	
		Species catch per 100 lb of retained groundfish		Species catch per 100 lb of retained groundfish		Species catch per 100 lb of retained groundfish		Species catch per 100 lb of retained groundfish		Species catch per 100 lb of retained groundfish		Species catch per 100 lb of retained groundfish	
Area	Depth (fm)	ratio	se	ratio	se	ratio	se	ratio	se	ratio	se	ratio	se
North	0-74.9	3.7834	0.3318	4.7442	0.6718	2.9165	0.2718	3.2539	0.2642	5.5698	0.3770	4.1519	0.6641
	75-149.9	5.0369	0.5271	7.0681	1.4888	4.2782	1.5096	3.1292	1.3315	6.6081	0.8354		
	> 150	0.1487	0.0304	0.0868	0.0158	0.1676	0.0199	0.2865	0.0451	0.2589	0.0299	0.3762	0.0571
South	0-74.9	1.4054	0.3842	4.5403	0.8345	7.6000	1.5959	9.9098	2.2558	6.8361	2.2646		
	75-149.9	6.2846	1.4628	8.8319	8.8319	25.1514	19.5955	14.1744	9.1459	1.4146	0.3604		
	> 150	0.6638	0.2178	0.3249	0.1213	0.4530	0.1048	0.5261	0.1239	0.4540	0.1307	0.3057	0.1145
Coastwide	0-74.9	3.4292	0.2926	4.7155	0.5917	3.2157	0.2732	3.5237	0.2711	5.6375	0.3769	4.1519	0.6641
	75-149.9	5.2784	0.5148	7.0787	1.4810	5.0764	1.6494	3.8515	1.4382	6.5360	0.8231		
	> 150	0.3257	0.0773	0.1517	0.0351	0.2380	0.0300	0.3514	0.0470	0.3048	0.0382	0.3714	0.0537